

Converting Colors

XYZ(80.2761, 84.5357, 92.5679)

Have a look what the booklet for
XYZ(80.2761, 84.5357, 92.5679)
contains.

XYZ(80.1623, 84.5157, 92.2089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(80.1623, 84.5157,
92.2089)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEDED
RGB	236, 237, 237
RGB Percent	93%, 93%, 93%
CMY	0.0745, 0.0706, 0.0706
CMYK	0.00, 0.00, 0.00, 0.07
HSL	180°, 3%, 93%
HSV	180°, 0%, 93%
XYZ	80.1623, 84.5157, 92.2089
YIQ	236.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

Format	Color
R _Y B	236, 237, 237
Decimal	15527405
CIE Lab	93.67, -0.33, -0.13
CIE LCh	94, 0.352, 201.151
Yxy	84.5157, 0.3121, 0.3290
Android (android.graphics.Color)	4293717485 (0xFFECEDED)
YUV	236.7010, 0.1474, -0.6148
Hunter-Lab	91.9324, -5.2351, 4.8844

Details

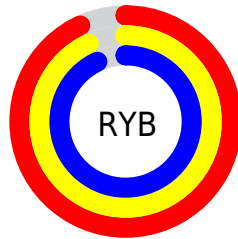
The XYZ color **80.1623, 84.5157, 92.2089** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0640, 84.0537, 91.3653**, and the grayscale version is **80.2677, 84.4479, 91.9637**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6868, 46.0872, 50.3092** is the 20% darker color. If you saturate the color by 10%, you get **72.7962, 80.7224, 91.7921**, and if you desaturate by 10%, it is **86.8263, 87.9519, 92.5964**.

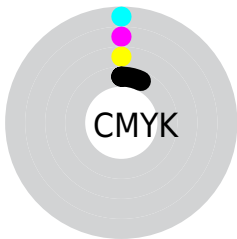
Distribution



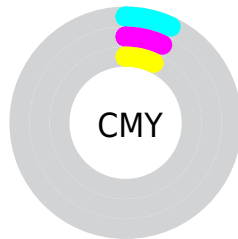
- Red (93%)
- Green (93%)
- Blue (93%)



- Red (93%)
- Yellow (93%)
- Blue (93%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1623, 84.5157, 92.2089 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.1623, 84.5157, 92.2089 by changing the saturation by 10% instead.

80.1623, 84.5157,
92.2089

80.1623, 84.5157,
92.2089

484.2078,
510.0242, 555.9449

60.1608, 63.4413,
69.2302

132.5432,
139.6963, 152.3651

43.7982, 46.1983,
50.4262

165.6534,
174.5714, 190.3796

30.7092, 32.4023,
35.3786

203.8639,
214.8154, 234.2432

20.5282, 21.6690,
23.6688

247.5399,
260.8128, 284.3742

12.8901, 13.6139,
14.8782

297.0470,
312.9480, 341.1914

7.4294, 7.8526,
8.5883

352.7505,

3.7808, 4.0008,

371.6053, 405.1132

4.3805

415.0156,
437.1693, 476.5582

■ 1.5789, 1.6740,
1.8363

■ 0.3786, 0.4067,
0.4518

■ 80.1623, 84.5157,
92.2089

■ 80.1623, 84.5157,
92.2089

■ 72.7962, 80.7224,
91.7921

■ 86.8263, 87.9519,
92.5964

■ 66.4311, 77.4427,
91.4204


■ 86.8405, 87.9575,
92.6710


■ 61.0259, 74.6578,
91.0937


■ 86.8546, 87.9632,
92.7456


■ 56.5340, 72.3438,
90.8097


■ 86.8688, 87.9689,
92.8203


 52.9048, 70.4745,
90.5662


 86.8830, 87.9746,
92.8950

 50.0828, 69.0213,
90.3605


 86.8972, 87.9802,
92.9697


 48.0061, 67.9524,
90.1897

 86.9114, 87.9859,
93.0445

 46.6039, 67.2311,
90.0505

 86.9256, 87.9916,
93.1193

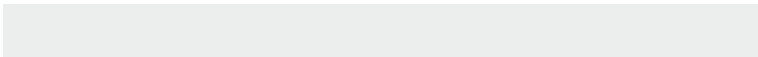
 45.7915, 66.8140,
89.9390

 86.9398, 87.9973,
93.1942

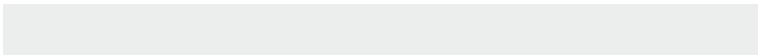
Harmonies

Analogous

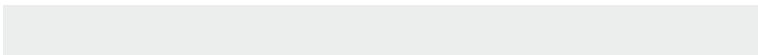
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1524, 84.5157, 91.9442



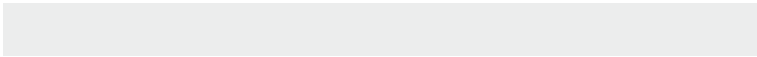
80.1623, 84.5157, 92.2089



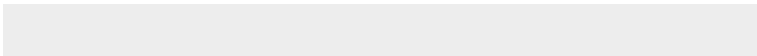
80.2171, 84.5157, 92.4243

Triad

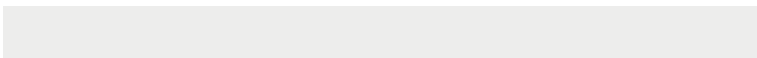
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1623, 84.5157, 92.2089



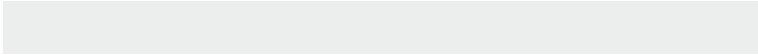
80.4696, 84.5157, 92.3462



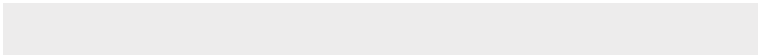
80.3573, 84.5157, 91.5161

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



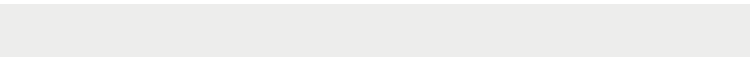
80.1623, 84.5157, 92.2089



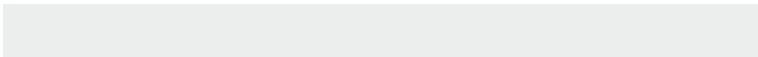
80.0640, 84.0537, 91.3653

Split Complementary

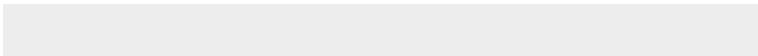
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4423, 84.5157, 91.6233



80.1623, 84.5157, 92.2089



80.5072, 84.5157, 92.1024

Square

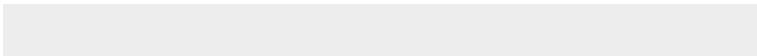
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



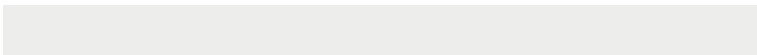
80.1623, 84.5157, 92.2089



80.3944, 84.5157, 92.5036



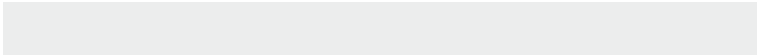
80.4972, 84.5157, 91.8378



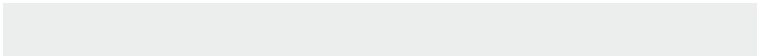
80.2649, 84.5157, 91.5445

Rectangle

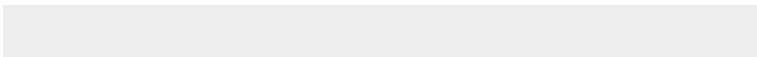
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



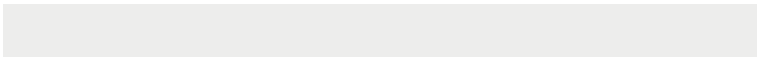
80.1623, 84.5157, 92.2089



80.2716, 84.5157, 92.5107



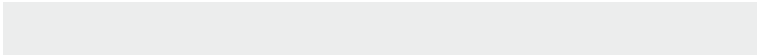
80.4972, 84.5157, 91.8378



80.3877, 84.5157, 91.5374

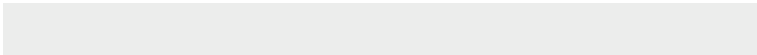
Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.1647, 84.5193, 92.2107

95.0500, 100.0000, 108.9000



80.0245, 84.4639, 91.4434



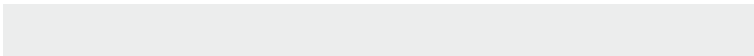
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

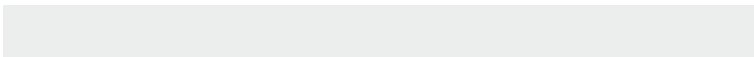
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1647, 84.5193, 92.2107



94.1164, 99.5189, 108.8476



80.0249, 84.2388, 92.1671



16.8439, 17.8056, 19.4698



24.8039, 36.3760, 49.0599



1.9486, 2.8567, 3.8570

Inverse Universe

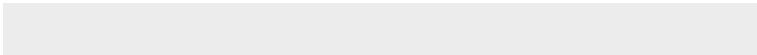
The Inverse Universe completely reimagines the original color for something new.



80.0640, 84.0537, 91.3653



93.8357, 98.2213, 106.4914



80.2033, 84.3334, 91.4088



16.7966, 17.5868, 19.0725



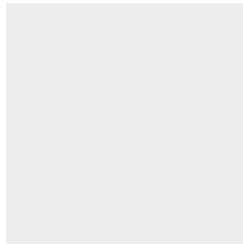
19.0718, 9.8314, 0.9137



1.4985, 0.7724, 0.0764

Previews

White Background



This preview shows how the XYZ color 80.1623, 84.5157, 92.2089 looks on a white background.

Color Contrast Check

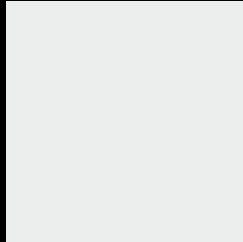
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 80.1623, 84.5157, 92.2089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

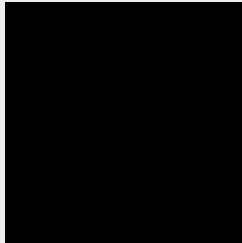
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

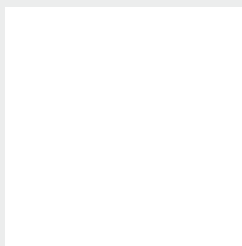
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.1623, 84.5157, 92.2089

Background



This preview shows how black text looks on a background with the XYZ color 80.1623, 84.5157, 92.2089.



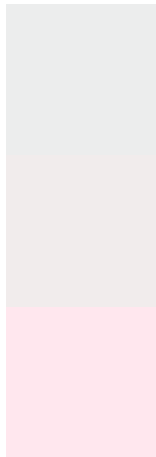
This preview shows how white text looks on a background with the XYZ color 80.1623, 84.5157,

92.2089.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.1623, 84.5157, 92.2089

Protanopia

81.4114, 84.7478, 91.4240

Deuteranopia

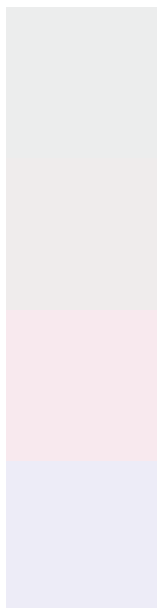
85.2485, 84.5849, 92.7224



Tritanopia

82.6978, 84.6857, 104.9158

Trichromacy



Original Color

80.1623, 84.5157, 92.2089

Protanomaly

80.7324, 84.3978, 91.3922

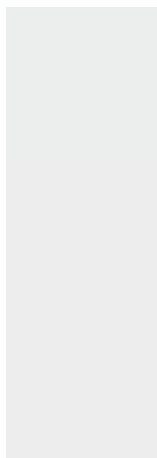
Deuteranomaly

83.2829, 84.4073, 92.7917

Tritanomaly

81.7090, 84.7108, 100.0400

Monochromacy



Original Color

80.1623, 84.5157, 92.2089

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.4953, 84.6873, 92.2245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1623, 84.5157, 92.2089 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(236, 237, 237) looks like.

```
.text, #text, p{  
    color:rgb(236, 237, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 237) }
```

Border

The CSS property to change the border of an element to XYZ 80.1623, 84.5157, 92.2089 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 237, 237) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 237, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(236, 237,  
237) }
```


Background

The CSS property to change the background color of an element to XYZ 80.1623, 84.5157, 92.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 237, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
237, 237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor