

Converting Colors

XYZ(80.7341, 85.2715, 95.2299)

Have a look what the booklet for
XYZ(80.7341, 85.2715, 95.2299)
contains.

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Color

**XYZ(80.7127, 85.1621,
95.4030)**

Conversions

Conversions Part 1

Format	Color
Hex	EBEEF1
RGB	235, 238, 241
RGB Percent	92%, 93%, 95%
CMY	0.0784, 0.0666, 0.0549
CMYK	0.02, 0.01, 0.00, 0.05
HSL	210°, 18%, 93%
HSV	210°, 2%, 95%
XYZ	80.7127, 85.1621, 95.4030
YIQ	237.4450, -2.7510, 0.2970

Conversions

Conversions Part 2

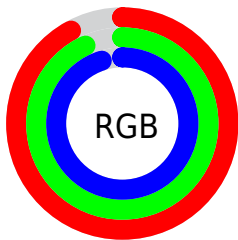
Format	Color
R _Y B	235, 237, 241
Decimal	15462129
CIE Lab	93.95, -0.45, -1.81
CIE LCh	94, 1.862, 255.954
Yxy	85.1621, 0.3089, 0.3259
Android (android.graphics.Color)	4293652209 (0xFFEBEEF1)
YUV	237.4450, 1.7526, -2.1443
Hunter-Lab	92.2833, -5.3764, 3.3040

Details

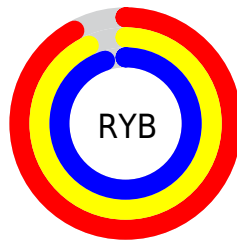
The XYZ color **80.7127, 85.1621, 95.4030** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.8458, 85.8472, 90.8551**, and the grayscale version is **80.8297, 85.0391, 92.6076**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0753, 46.5424, 52.5595** is the 20% darker color. If you saturate the color by 10%, you get **69.9016, 74.5621, 93.9281**, and if you desaturate by 10%, it is **91.3156, 96.0073, 96.9388**.

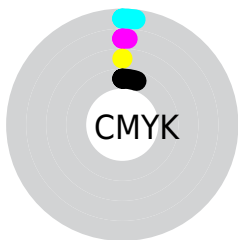
Distribution



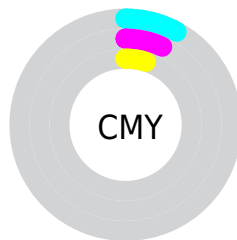
- Red (92%)
- Green (93%)
- Blue (95%)



- Red (92%)
- Yellow (93%)
- Blue (95%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)



- Cyan (8%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.7127, 85.1621, 95.4030 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 80.7127, 85.1621, 95.4030 by changing the saturation by 10% instead.

80.7127, 85.1621,
95.4030

80.7127, 85.1621,
95.4030

486.0315,
512.1643, 566.4716

60.6155, 63.9753,
71.8717

133.3126,
140.5996, 156.8216

44.1663, 46.6307,
52.5677

166.5459,
175.6192, 195.5460

30.9997, 32.7438,
37.0724

204.8887,
216.0184, 240.1718

20.7505, 21.9303,
24.9673

248.7063,
262.1818, 291.1177

13.0531, 13.8057,
15.8339

298.3640,
314.4937, 348.8020

7.5424, 7.9856,
9.2536

354.2272,

3.8529, 4.0857,

373.3385, 413.6434

4.8079

416.6612,
439.1005, 486.0604

■ 1.6192, 1.7216,
2.0782

■ 0.4049, 0.4376,
0.6028

■ 80.7127, 85.1621,
95.4030

■ 80.7127, 85.1621,
95.4030

■ 69.9016, 74.5621,
93.9281

■ 91.3156, 96.0073,
96.9388

■ 60.3527, 64.9514,
92.5763

■ 92.8774, 99.1310,
97.4594

■ 52.0179, 56.3005,
91.3458

■ 44.8428, 48.5745,
90.2327

■ 38.7690, 41.7357,
89.2328

■ 33.7322, 35.7432,
88.3416

■ 29.6607, 30.5522,
87.5542

■ 26.4728, 26.1121,
86.8653

■ 24.0704, 22.3638,
86.2684

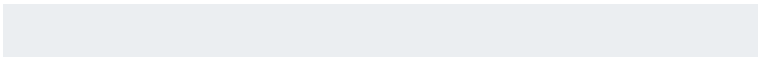
Harmonies

Analogous

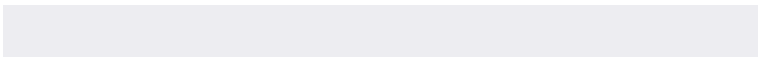
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2826, 85.1621, 94.7049



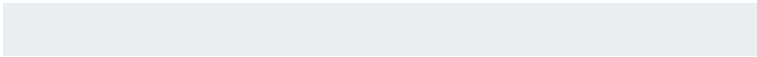
80.7127, 85.1621, 95.4030



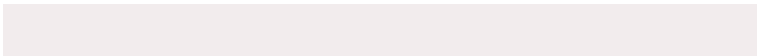
81.2065, 85.1621, 95.3790

Triad

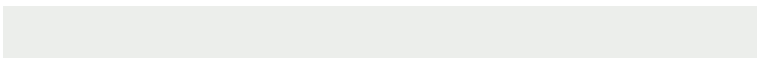
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7127, 85.1621, 95.4030



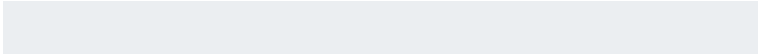
81.8648, 85.1621, 91.9780



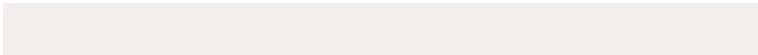
80.2602, 85.1621, 90.8404

Complementary

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



80.7127, 85.1621, 95.4030



81.8458, 85.8472, 90.8551

Split Complementary

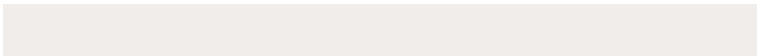
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6821, 85.1621, 90.1247



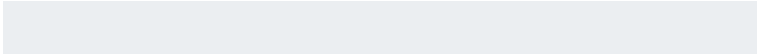
80.7127, 85.1621, 95.4030



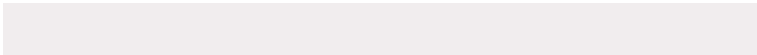
81.6091, 85.1621, 90.7769

Square

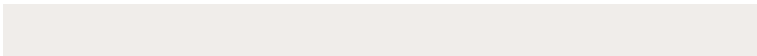
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



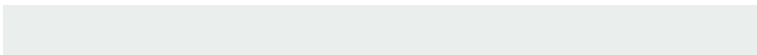
80.7127, 85.1621, 95.4030



81.8731, 85.1621, 93.3917



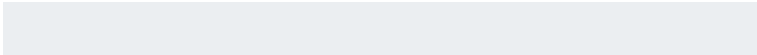
81.1758, 85.1621, 90.1016



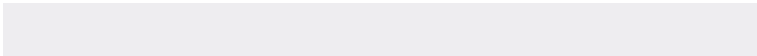
80.0220, 85.1621, 92.0655

Rectangle

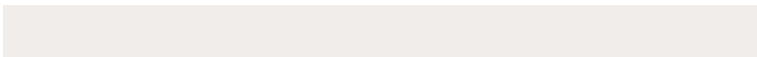
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



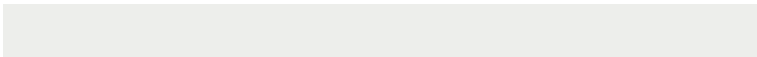
80.7127, 85.1621, 95.4030



81.5055, 85.1621, 94.9564



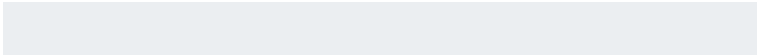
81.1758, 85.1621, 90.1016



80.3852, 85.1621, 90.5328

Sweetspot

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



80.7151, 85.1657, 95.4049



93.7132, 98.7098, 108.7214



81.1355, 86.7413, 93.2797



20.0726, 21.1416, 23.2727



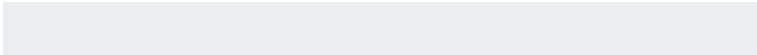
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

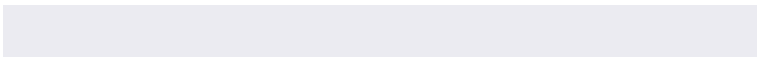
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7151, 85.1657, 95.4049



91.0847, 96.1646, 108.3687



79.8765, 83.4884, 95.1253



16.8732, 17.8302, 20.2739



12.4297, 11.0836, 46.6121



1.1335, 1.1211, 3.9109

Inverse Universe

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



81.4185, 84.2921, 92.8720



92.0489, 94.9722, 104.8954



82.6980, 87.5517, 91.1392



17.0998, 17.5517, 19.4571



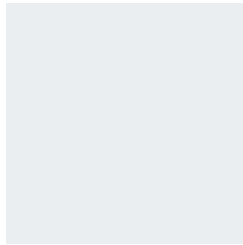
21.5996, 10.9122, 11.0738



1.8471, 0.9279, 1.1857

Previews

White Background



This preview shows how the XYZ color 80.7127, 85.1621, 95.4030 looks on a white background.

Color Contrast Check

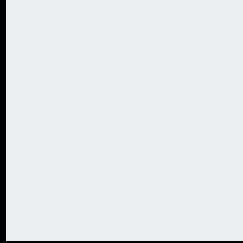
Large Text (above 18pt) WCAG AA × Fail

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 80.7127, 85.1621, 95.4030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

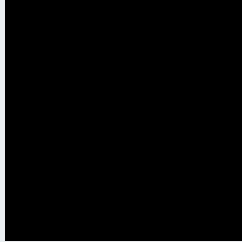
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

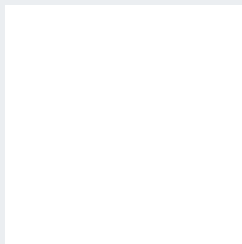
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7127, 85.1621, 95.4030

Background



This preview shows how black text looks on a background with the XYZ color 80.7127, 85.1621, 95.4030.



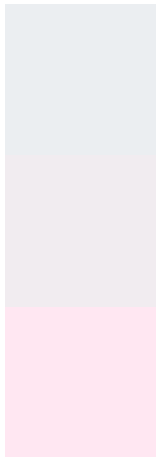
This preview shows how white text looks on a background with the XYZ color 80.7127, 85.1621,

95.4030.

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

80.7127, 85.1621, 95.4030

Protanopia

81.9993, 84.9829, 94.5196

Deuteranopia

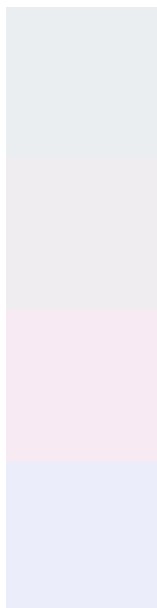
85.8429, 84.8226, 95.8524



Tritanopia

82.9705, 85.2154, 106.6829

Trichromacy



Original Color

80.7127, 85.1621, 95.4030

Protanomaly

81.6090, 85.2104, 94.5841

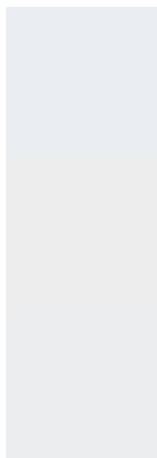
Deuteranomaly

84.1612, 85.2129, 96.0164

Tritanomaly

82.1316, 85.3034, 102.5789

Monochromacy



Original Color

80.7127, 85.1621, 95.4030

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.3089, 84.5743, 92.9807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7127, 85.1621, 95.4030 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(235, 238, 241) looks like.

```
.text, #text, p{  
    color:rgb(235, 238, 241)  
}
```

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(235, 238, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 238, 241) }
```

Border

The CSS property to change the border of an element to XYZ 80.7127, 85.1621, 95.4030 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(235, 238, 241) }
```


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

```
.border{ border-color:rgb(235, 238, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 238, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 238, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 238, 241);  
box-shadow:4px 4px 4px 4px rgb(235, 238,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7127, 85.1621, 95.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 238, 241) }
```

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

```
.background{ background-color: rgb(235,  
238, 241) }
```

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](#).

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