

Converting Colors

XYZ(81.7826, 87.7637,
102.2522)

Have a look what the booklet for
XYZ(81.7826, 87.7637, 102.2522)
contains.

XYZ(81.7826, 87.7637, 102.2522)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.7826, 87.7637,
102.2522)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F3F9
RGB	230, 243, 249
RGB Percent	90%, 95%, 98%
CMY	0.0980, 0.0470, 0.0235
CMYK	0.08, 0.02, 0.00, 0.02
HSL	199°, 61%, 94%
HSV	199°, 8%, 98%
XYZ	81.7826, 87.7637, 102.2522
YIQ	239.7970, -9.6740, -0.8900

Conversions

Conversions Part 2

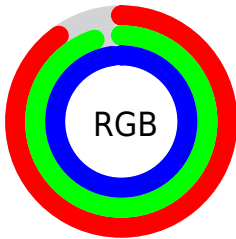
Format	Color
R _Y B	230, 238, 249
Decimal	15135737
CIE Lab	95.06, -3.15, -4.37
CIE LCh	95, 5.385, 234.242
Yxy	87.7637, 0.3009, 0.3229
Android (android.graphics.Color)	4293325817 (0xFFE6F3F9)
YUV	239.7970, 4.5371, -8.5920
Hunter-Lab	93.6823, -8.1174, 0.8638

Details

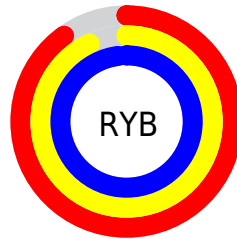
The XYZ color **81.7826, 87.7637, 102.2522** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.3457, 85.8432, 87.0410**, and the grayscale version is **82.6389, 86.9425, 94.6804**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8515, 48.3896, 57.4283** is the 20% darker color. If you saturate the color by 10%, you get **72.0545, 79.3341, 101.1392**, and if you desaturate by 10%, it is **92.7578, 96.9904, 103.4560**.

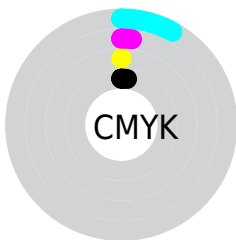
Distribution



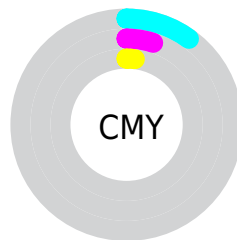
- Red (90%)
- Green (95%)
- Blue (98%)



- Red (90%)
- Yellow (93%)
- Blue (98%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (10%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7826, 87.7637, 102.2522 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 81.7826, 87.7637, 102.2522 by changing the saturation by 10% instead.

81.7826, 87.7637,
102.2522

81.7826, 87.7637,
102.2522

489.5657,
520.7291, 588.6978

61.4998, 66.1274,
77.5554

134.8065,
144.2281, 166.3276

44.8828, 48.3758,
57.1946

168.2784,
179.8250, 206.5433

31.5660, 34.1246,
40.7511

206.8773,
220.8443, 252.7691

21.1841, 22.9893,
27.8064

250.9687,
267.6702, 305.4234

13.3719, 14.5856,
17.9420

300.9179,
320.6873, 364.9250

7.7639, 8.5291,
10.7393

357.0902,

3.9948, 4.4353,

380.2799, 431.6922

5.7799

419.8510,
446.8323, 506.1436

■ 1.6992, 1.9199,
2.6451

■ 0.4558, 0.5603,
0.9156

■ 81.7826, 87.7637,
102.2522

■ 81.7826, 87.7637,
102.2522

■ 72.0545, 79.3341,
101.1392

■ 92.7578, 96.9904,
103.4560

■ 63.5166, 71.6633,
100.1086

■ 94.0991, 99.6197,
103.8928

■ 56.1185, 64.7258,
99.1594

■ 49.8033, 58.4903,
98.2887

■ 44.5086, 52.9228,
97.4932

■ 40.1656, 47.9857,
96.7691

■ 36.6958, 43.6366,
96.1125

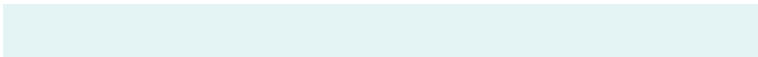
■ 34.0073, 39.8261,
95.5187

■ 31.9787, 36.4892,
94.9815

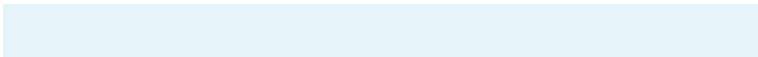
Harmonies

Analogous

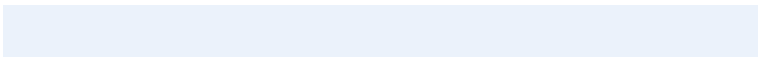
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8763, 87.7637, 98.9082



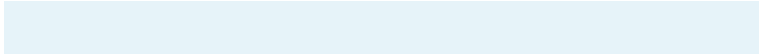
81.7826, 87.7637, 102.2522



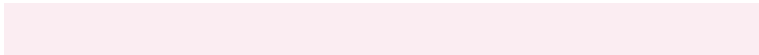
83.1347, 87.7637, 103.8073

Triad

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



81.7826, 87.7637, 102.2522



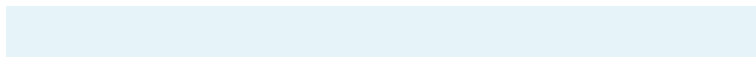
86.2490, 87.7637, 96.3709



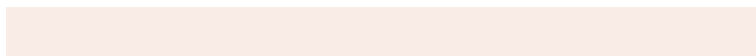
82.2663, 87.7637, 88.3957

Complementary

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



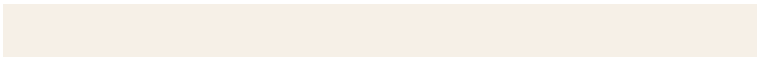
81.7826, 87.7637, 102.2522



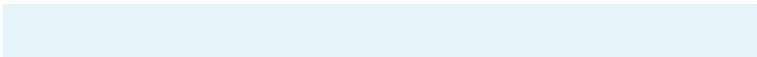
83.3457, 85.8432, 87.0410

Split Complementary

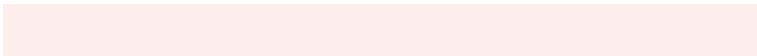
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6995, 87.7637, 87.7610



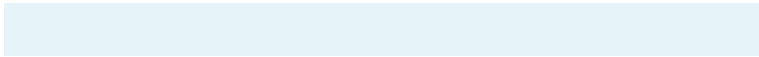
81.7826, 87.7637, 102.2522



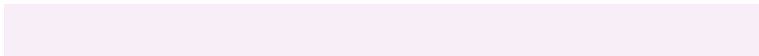
86.0099, 87.7637, 92.2878

Square

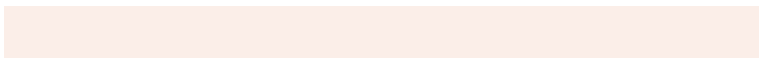
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7826, 87.7637, 102.2522



85.7220, 87.7637, 100.3486



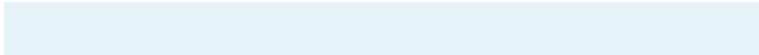
85.0726, 87.7637, 89.1659



81.1533, 87.7637, 90.9257

Rectangle

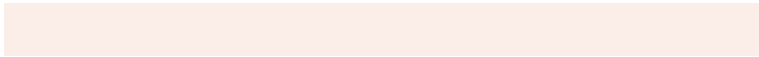
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7826, 87.7637, 102.2522



84.1112, 87.7637, 103.5887



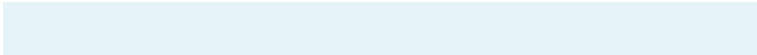
85.0726, 87.7637, 89.1659



82.7262, 87.7637, 87.9568

Sweetspot

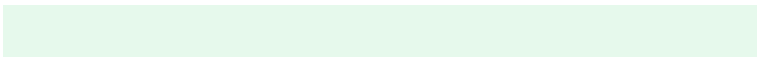
The Sweet Spot groups the original color and five complimentary colors.



81.7851, 87.7674, 102.2541



92.6872, 98.0229, 108.6429



81.6070, 90.6145, 92.3192



19.8637, 21.0017, 23.2568



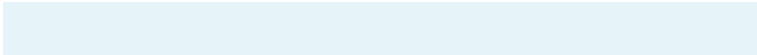
0.0000, 0.0000, 0.0000



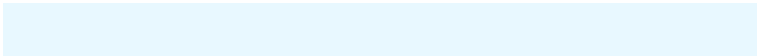
20.3446, 21.4041, 23.3091

Same Dimension

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



81.7851, 87.7674, 102.2541



84.8377, 91.3697, 107.7724



79.0994, 82.3959, 101.3589



17.2768, 18.6304, 22.0707



17.0223, 19.4003, 50.8210



1.6716, 1.9869, 4.7386

Inverse Universe

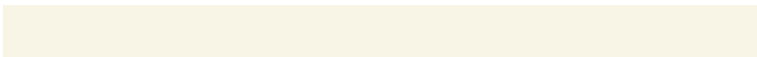
The Inverse Universe completely reimagines the original color for something new.



83.5434, 83.2062, 96.4555



87.0163, 85.7636, 100.5772



86.0642, 91.2803, 87.9472



17.7462, 17.4259, 20.5195



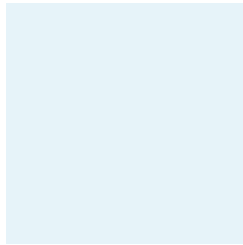
24.8841, 12.3694, 21.8960



2.3527, 1.1648, 2.2806

Previews

White Background



This preview shows how the XYZ color 81.7826, 87.7637, 102.2522 looks on a white background.

Color Contrast Check

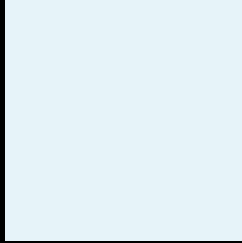
Large Text (above 18pt) WCAG AA × Fail

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 81.7826, 87.7637, 102.2522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

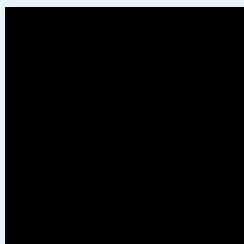
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

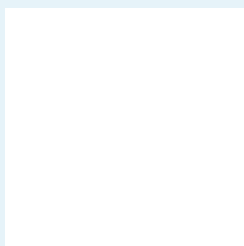
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7826, 87.7637, 102.2522

Background



This preview shows how black text looks on a background with the XYZ color 81.7826, 87.7637, 102.2522.

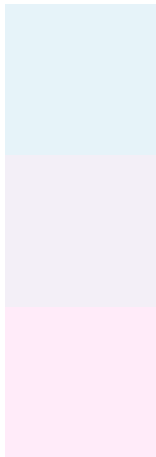


This preview shows how white text looks on a background with the XYZ color 81.7826, 87.7637,

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

81.7826, 87.7637, 102.2522

Protanopia

84.6172, 87.5031, 100.4257

Deuteranopia

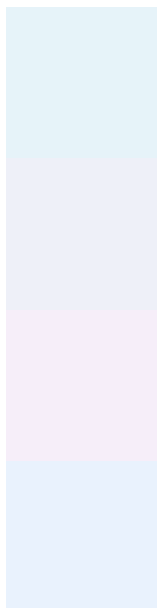
88.0472, 87.5162, 101.8743



Tritanopia

83.4370, 87.6230, 107.1231

Trichromacy



Original Color

81.7826, 87.7637, 102.2522

Protanomaly

83.3633, 87.2746, 101.2589

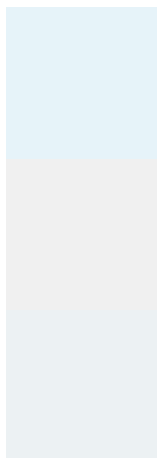
Deuteranomaly

85.6795, 87.5815, 102.0117

Tritanomaly

83.0860, 87.9197, 105.5196

Monochromacy



Original Color

81.7826, 87.7637, 102.2522

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.2250, 87.2145, 97.2944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7826, 87.7637, 102.2522 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(230, 243, 249) looks like.

```
.text, #text, p{  
    color:rgb(230, 243, 249)  
}
```

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(230, 243, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 243, 249) }
```

Border

The CSS property to change the border of an element to XYZ 81.7826, 87.7637, 102.2522 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(230, 243, 249) }
```


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

```
.border{ border-color:rgb(230, 243, 249) }
```

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

Here you see how a box with a 4 pixel rgb(230, 243, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 243, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 243, 249);  
box-shadow:4px 4px 4px 4px rgb(230, 243,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7826, 87.7637, 102.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 243, 249) }
```

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

```
.background{ background-color: rgb(230,  
243, 249) }
```

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