

Converting Colors

XYZ(81.0812, 87.2631,
107.6968)

Have a look what the booklet for
XYZ(81.0812, 87.2631, 107.6968)
contains.

XYZ(80.8411, 87.1685, 107.1722)	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(80.8411, 87.1685,
107.1722)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F3FF
RGB	224, 243, 255
RGB Percent	88%, 95%, 100%
CMY	0.1216, 0.0470, 0.0000
CMYK	0.12, 0.05, 0.00, 0.00
HSL	203°, 100%, 94%
HSV	203°, 12%, 100%
XYZ	80.8411, 87.1685, 107.1722
YIQ	238.6870, -15.1760, -0.2960

Conversions

Conversions Part 2

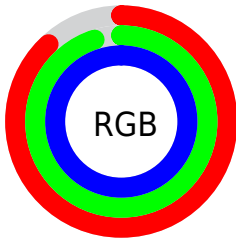
Format	Color
RYB	224, 236, 255
Decimal	14742527
CIELab	94.81, -3.89, -7.90
CIELCh	95, 8.804, 243.748
Yxy	87.1685, 0.2938, 0.3168
Android (android.graphics.Color)	4292932607 (0xFFE0F3FF)
YUV	238.6870, 8.0423, -12.8805
Hunter-Lab	93.3641, -8.8294, -2.7039

Details

The XYZ color **80.8411, 87.1685, 107.1722** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.6895, 86.6312, 82.7806**, and the grayscale version is **81.7507, 86.0081, 93.6628**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3256, 48.0529, 60.3650** is the 20% darker color. If you saturate the color by 10%, you get **70.6493, 77.6501, 105.8721**, and if you desaturate by 10%, it is **92.3813, 97.6224, 108.5817**.

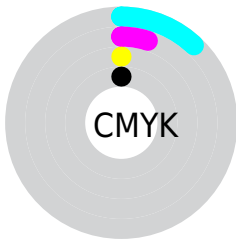
Distribution



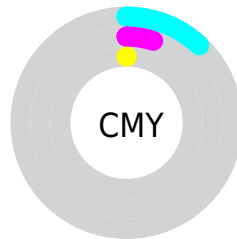
- Red (88%)
- Green (95%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8411, 87.1685, 107.1722 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 80.8411, 87.1685, 107.1722 by changing the saturation by 10% instead.

80.8411, 87.1685,
107.1722

80.8411, 87.1685,
107.1722

486.4564,
518.7764, 604.3927

60.7216, 65.6347,
81.6535

133.4920,
143.3990, 173.1166

44.2522, 47.9759,
60.5459

166.7540,
178.8644, 214.3794

31.0676, 33.8078,
43.4306

205.1276,
219.7425, 261.7273

20.8024, 22.7460,
29.8892

248.9781,
266.4176, 315.5789

13.0913, 14.4061,
19.5032

298.6709,
319.2741, 376.3527

7.5689, 8.4036,
11.8539

354.5713,

3.8698, 4.3543,

378.6965, 444.4672

6.5230

417.0447,
445.0692, 520.3411

■ 1.6287, 1.8737,
3.0917

■ 0.4110, 0.5325,
1.1417

■ 80.8411, 87.1685,
107.1722

■ 80.8411, 87.1685,
107.1722

■ 70.6493, 77.6501,
105.8721

■ 92.3813, 97.6224,
108.5817

■ 61.7441, 69.0246,
104.6766

95.0500, 100.0000,
108.9000

■ 54.0687, 61.2612,
103.5826

■ 47.5591, 54.3232,
102.5865

■ 42.1450, 48.1703,
101.6843

■ 37.7479, 42.7581,
100.8714

■ 34.2777, 38.0359,
100.1428

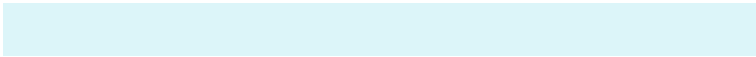
■ 31.6259, 33.9435,
99.4926

■ 29.9933, 31.1067,
99.0311

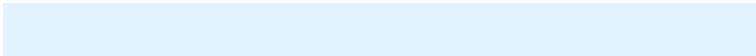
Harmonies

Analogous

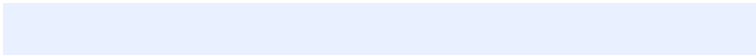
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0998, 87.1685, 102.3891



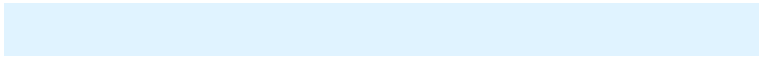
80.8411, 87.1685, 107.1722



83.1509, 87.1685, 108.6156

Triad

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



80.8411, 87.1685, 107.1722



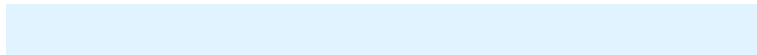
87.5072, 87.1685, 94.0565



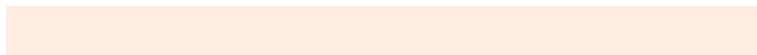
80.3318, 87.1685, 84.4146

Complementary

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



80.8411, 87.1685, 107.1722



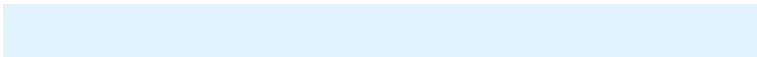
84.6895, 86.6312, 82.7806

Split Complementary

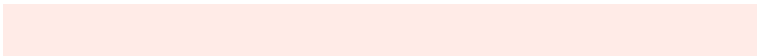
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5519, 87.1685, 82.4118



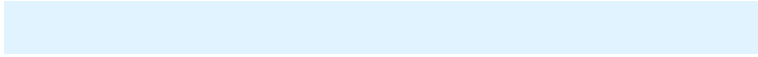
80.8411, 87.1685, 107.1722



86.7191, 87.1685, 87.8075

Square

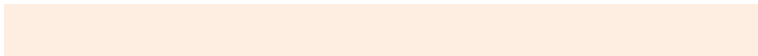
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



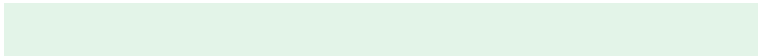
80.8411, 87.1685, 107.1722



87.0282, 87.1685, 100.8343



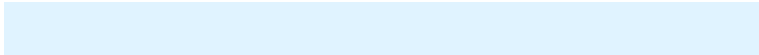
84.8940, 87.1685, 83.6238



78.8097, 87.1685, 89.2256

Rectangle

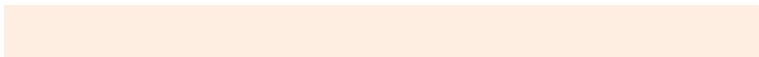
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8411, 87.1685, 107.1722



84.7098, 87.1685, 107.4351



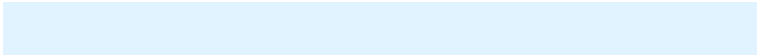
84.8940, 87.1685, 83.6238



81.0197, 87.1685, 83.4014

Sweetspot

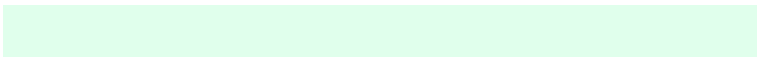
The Sweet Spot groups the original color and five complimentary colors.



80.8434, 87.1720, 107.1727



90.1502, 95.6240, 108.3136



81.6248, 93.4171, 92.9984



19.1039, 20.2950, 23.1604



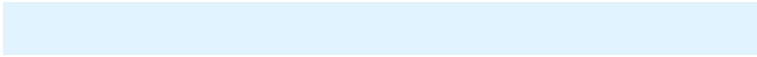
0.0000, 0.0000, 0.0000



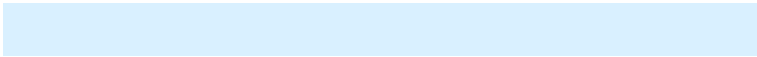
20.3446, 21.4041, 23.3091

Same Dimension

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



80.8434, 87.1720, 107.1727



77.8097, 84.3708, 106.7919



76.4298, 78.3449, 105.7015



17.9301, 19.2318, 23.0170



15.8214, 16.5523, 51.7956



1.6465, 1.8237, 5.0785

Inverse Universe

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



84.0748, 81.0440, 96.0101



81.7462, 77.0600, 93.1587



89.3120, 95.8762, 84.3214



18.4774, 18.1743, 21.1310



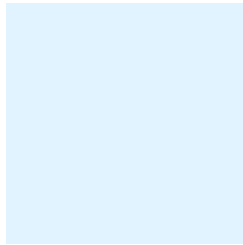
24.7741, 12.3989, 17.9927



2.4657, 1.2287, 2.0338

Previews

White Background



This preview shows how the XYZ color 80.8411, 87.1685, 107.1722 looks on a white background.

Color Contrast Check

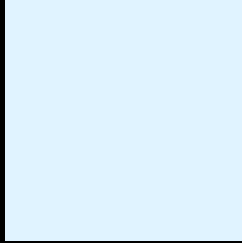
Large Text (above 18pt) WCAG AA × Fail

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 80.8411, 87.1685, 107.1722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

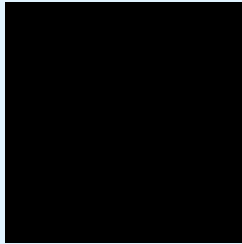
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

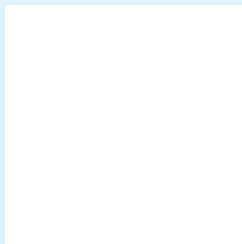
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8411, 87.1685, 107.1722

Background



This preview shows how black text looks on a background with the XYZ color 80.8411, 87.1685, 107.1722.



This preview shows how white text looks on a background with the XYZ color 80.8411, 87.1685,

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

80.8411, 87.1685, 107.1722

Protanopia

84.0804, 86.7026, 104.3992

Deuteranopia

87.9808, 86.9483, 106.7533



Tritanopia

82.1384, 86.9536, 107.0623

Trichromacy



Original Color

80.8411, 87.1685, 107.1722

Protanomaly

82.8214, 86.9045, 105.3376

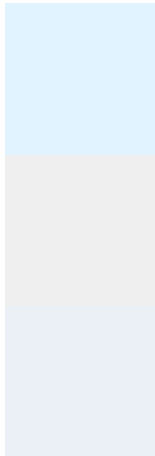
Deuteranomaly

84.9521, 86.6656, 106.8584

Tritanomaly

81.7970, 87.2182, 107.1314

Monochromacy



Original Color

80.8411, 87.1685, 107.1722

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.5732, 86.4052, 98.7647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8411, 87.1685, 107.1722 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(224, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 243, 255)  
}
```

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(224, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 243, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.8411, 87.1685, 107.1722 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(224, 243, 255) }
```


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

```
.border{ border-color:rgb(224, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 243,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8411, 87.1685, 107.1722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 243, 255) }
```

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

```
.background{ background-color: rgb(224,  
243, 255) }
```

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