

Converting Colors

XYZ(82.0437, 84.8297,
110.7233)

Have a look what the booklet for
XYZ(82.0437, 84.8297, 110.7233)
contains.

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Color

**XYZ(81.0004, 84.1998,
106.5908)**

Conversions

Conversions Part 1

Format	Color
Hex	E7ECFF
RGB	231, 236, 255
RGB Percent	91%, 93%, 100%
CMY	0.0941, 0.0745, 0.0000
CMYK	0.09, 0.07, 0.00, 0.00
HSL	227°, 100%, 95%
HSV	227°, 9%, 100%
XYZ	81.0004, 84.1998, 106.5908
YIQ	236.6710, -9.0790, 4.8490

Conversions

Conversions Part 2

Format	Color
R _Y B	231, 235, 255
Decimal	15199487
CIE Lab	93.54, 1.90, -9.73
CIE LCh	94, 9.913, 281.061
Yxy	84.1998, 0.2980, 0.3098
Android (android.graphics.Color)	4293389567 (0xFFE7ECFF)
YUV	236.6710, 9.0362, -4.9735
Hunter-Lab	91.7604, -3.0121, -4.6402

Details

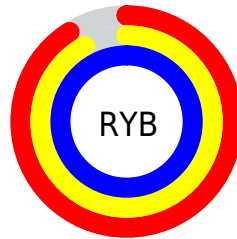
The XYZ color **81.0004, 84.1998, 106.5908** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.8486, 95.3987, 89.2810**, and the grayscale version is **80.1830, 84.3588, 91.8667**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1935, 45.8337, 59.9436** is the 20% darker color. If you saturate the color by 10%, you get **67.8758, 69.2912, 104.4048**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



- Red (91%)
- Green (93%)
- Blue (100%)



- Red (91%)
- Yellow (92%)
- Blue (100%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0004, 84.1998, 106.5908 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 81.0004, 84.1998, 106.5908 by changing the saturation by 10% instead.

81.0004, 84.1998,
106.5908

81.0004, 84.1998,
106.5908

486.9832,
508.9765, 602.5492

60.8532, 63.1804,
81.1686

133.7145,
139.2546, 172.3159

44.3588, 45.9872,
60.1487

167.0121,
174.0589, 213.4560

31.1518, 32.2357,
43.1124

205.4239,
214.2268, 260.6724

20.8669, 21.5416,
29.6413

249.3153,
260.1429, 314.3838

13.1386, 13.5205,
19.3167

299.0515,
312.1915, 375.0086

7.6017, 7.7879,
11.7202

354.9980,

3.8908, 3.9595,

370.7571, 442.9654

6.4333

417.5201,
436.2239, 518.6728

■ 1.6406, 1.6510,
3.0373

■ 0.4186, 0.3916,
1.1137

■ 81.0004, 84.1998,
106.5908

■ 81.0004, 84.1998,
106.5908

■ 67.8758, 69.2912,
104.4048

95.0500, 100.0000,
108.9000

■ 56.5313, 56.2405,
102.4837

■ 46.8909, 44.9768,
100.8177

■ 38.8702, 35.4205,
99.3959

■ 32.3776, 27.4859,
98.2066

■ 27.3119, 21.0795,
97.2370

■ 23.5593, 16.0978,
96.4732

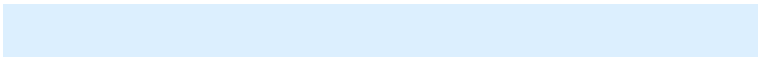
■ 20.9869, 12.4227,
95.8994

■ 19.4045, 9.9011,
95.4961

Harmonies

Analogous

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



78.4043, 84.1998, 106.0241



81.0004, 84.1998, 106.5908



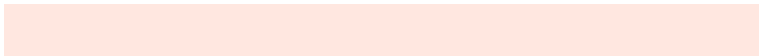
83.3865, 84.1998, 103.0017

Triad

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



81.0004, 84.1998, 106.5908



83.8909, 84.1998, 82.5193



75.3553, 84.1998, 87.0728

Complementary

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



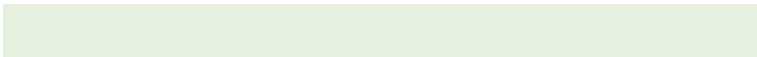
81.0004, 84.1998, 106.5908



89.8486, 95.3987, 89.2810

Split Complementary

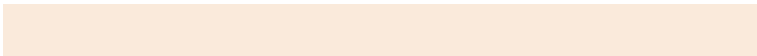
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7636, 84.1998, 81.2186



81.0004, 84.1998, 106.5908



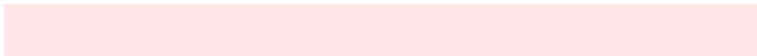
81.6767, 84.1998, 78.6904

Square

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



81.0004, 84.1998, 106.5908



85.0795, 84.1998, 88.9373



79.0662, 84.1998, 78.2276



75.1832, 84.1998, 94.4770

Rectangle

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



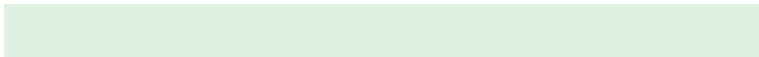
81.0004, 84.1998, 106.5908



84.5225, 84.1998, 98.8442



79.0662, 84.1998, 78.2276



75.6984, 84.1998, 84.8693

Sweetspot

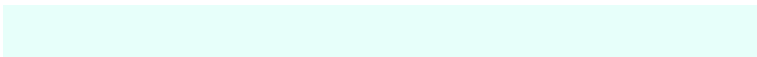
The Sweet Spot groups the original color and five complimentary colors.



81.0026, 84.2032, 106.5913



90.3900, 94.7752, 108.1371



85.9397, 95.3989, 104.1628



19.0868, 19.9934, 23.1031



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.



81.0026, 84.2032, 106.5913



78.7946, 81.7064, 106.2257



81.8197, 82.5157, 106.2225



17.3098, 17.9912, 22.8103



10.1861, 5.2817, 49.9172



1.0660, 0.6627, 4.8850

Inverse Universe

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



84.9576, 84.4694, 91.1874



83.3746, 82.0425, 88.3812



88.9666, 97.2828, 89.6912



18.1643, 18.0490, 19.4822



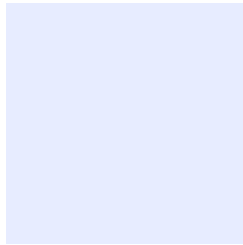
21.9297, 11.2612, 3.0141



2.1727, 1.1114, 0.4907

Previews

White Background



This preview shows how the XYZ color 81.0004, 84.1998, 106.5908 looks on a white background.

Color Contrast Check

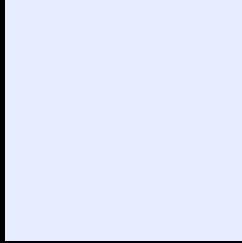
Large Text (above 18pt) WCAG AA × Fail

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 81.0004, 84.1998, 106.5908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

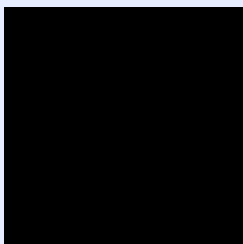
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.0004, 84.1998, 106.5908

Background



This preview shows how black text looks on a background with the XYZ color 81.0004, 84.1998, 106.5908.



This preview shows how white text looks on a background with the XYZ color 81.0004, 84.1998,

106.5908.

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

81.0004, 84.1998, 106.5908

Protanopia

81.8587, 84.2346, 105.7104

Deuteranopia

85.4137, 83.9534, 106.3106



Tritanopia

81.0004, 84.1998, 106.5908

Trichromacy



Original Color

81.0004, 84.1998, 106.5908

Protanomaly

81.5294, 84.0648, 105.6950

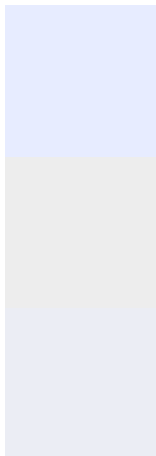
Deuteranomaly

83.5246, 83.8105, 106.3826

Tritanomaly

81.0004, 84.1998, 106.5908

Monochromacy



Original Color

81.0004, 84.1998, 106.5908

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.8743, 84.7622, 97.6862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.0004, 84.1998, 106.5908 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(231, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 236, 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(231, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.0004, 84.1998, 106.5908 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(231, 236, 255) }
```


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

```
.border{ border-color:rgb(231, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.0004, 84.1998, 106.5908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 236, 255) }
```

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

```
.background{ background-color: rgb(231,  
236, 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](#).

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