

Converting Colors

XYZ(80.8263, 84.5284,
106.6633)

Have a look what the booklet for
XYZ(80.8263, 84.5284, 106.6633)
contains.

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Color

**XYZ(80.9673, 84.6114,
106.6719)**

Conversions

Conversions Part 1

Format	Color
Hex	E6EDFF
RGB	230, 237, 255
RGB Percent	90%, 93%, 100%
CMY	0.0980, 0.0706, 0.0000
CMYK	0.10, 0.07, 0.00, 0.00
HSL	223°, 100%, 95%
HSV	223°, 10%, 100%
XYZ	80.9673, 84.6114, 106.6719
YIQ	236.9590, -9.9500, 4.1140

Conversions

Conversions Part 2

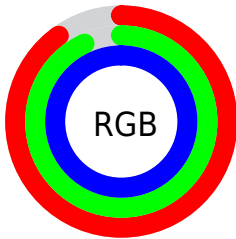
Format	Color
R_{YB}	230, 235, 255
Decimal	15134207
CIE Lab	93.72, 1.07, -9.47
CIE LCh	94, 9.533, 276.440
Yxy	84.6114, 0.2974, 0.3108
Android (android.graphics.Color)	4293324287 (0xFFE6EDFF)
YUV	236.9590, 8.8942, -6.1030
Hunter-Lab	91.9845, -3.8521, -4.3679

Details

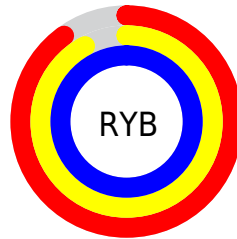
The XYZ color **80.9673, 84.6114, 106.6719** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.0896, 94.1060, 88.3332**, and the grayscale version is **80.4059, 84.5933, 92.1221**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1725, 46.1236, 60.0007** is the 20% darker color. If you saturate the color by 10%, you get **68.3298, 70.6088, 104.6352**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

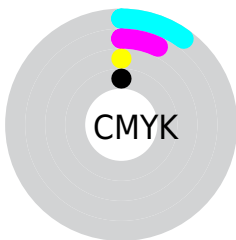
Distribution



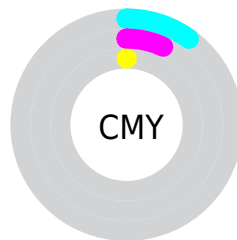
- Red (90%)
- Green (93%)
- Blue (100%)



- Red (90%)
- Yellow (92%)
- Blue (100%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9673, 84.6114, 106.6719 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 80.9673, 84.6114, 106.6719 by changing the saturation by 10% instead.

80.9673, 84.6114,
106.6719

80.9673, 84.6114,
106.6719

486.8738,
510.3413, 602.8065

60.8259, 63.5203,
81.2363

133.6682,
139.8301, 172.4277

44.3367, 46.2623,
60.2041

166.9585,
174.7266, 213.5848

31.1343, 32.4528,
43.1568

205.3623,
214.9936, 260.8196

20.8535, 21.7076,
29.6758

249.2452,
261.0156, 314.5506

13.1288, 13.6422,
19.3427

298.9724,
313.1770, 375.1962

7.5949, 7.8723,
11.7389

354.9094,

3.8865, 4.0133,

371.8621, 443.1750

6.4457

417.4214,
437.4555, 518.9056

■ 1.6381, 1.6810,
3.0448

■ 0.4170, 0.4113,
1.1176

■ 80.9673, 84.6114,
106.6719

■ 80.9673, 84.6114,
106.6719

■ 68.3298, 70.6088,
104.6352

95.0500, 100.0000,
108.9000

■ 57.3632, 58.2486,
102.8275

■ 47.9970, 47.4716,
101.2410

■ 40.1531, 38.2108,
99.8669

■ 33.7465, 30.3941,
98.6957

■ 28.6833, 23.9430,
97.7174

■ 24.8576, 18.7708,
96.9207

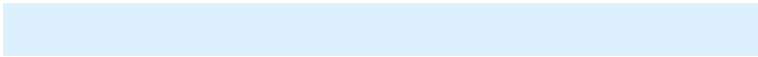
■ 22.1456, 14.7786,
96.2931

■ 20.3609, 11.8324,
95.8185

Harmonies

Analogous

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



78.4924, 84.6114, 105.4930



80.9673, 84.6114, 106.6719



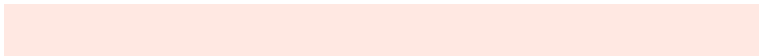
83.3440, 84.6114, 103.7924

Triad

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



80.9673, 84.6114, 106.6719



84.3967, 84.6114, 84.0998



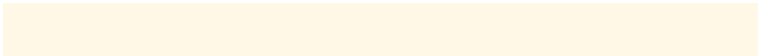
76.0447, 84.6114, 86.6718

Complementary

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



80.9673, 84.6114, 106.6719



89.0896, 94.1060, 88.3332

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.



77.5664, 84.6114, 81.3709



80.9673, 84.6114, 106.6719



82.3802, 84.6114, 79.9413

Square

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



80.9673, 84.6114, 106.6719



85.3505, 84.6114, 90.5741



79.8764, 84.6114, 78.9690



75.6843, 84.6114, 93.6985

Rectangle

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



80.9673, 84.6114, 106.6719



84.5416, 84.6114, 100.0433



79.8764, 84.6114, 78.9690



76.4358, 84.6114, 84.6405

Sweetspot

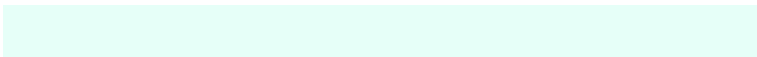
The Sweet Spot groups the original color and five complimentary colors.



80.9695, 84.6149, 106.6725



90.5597, 95.1145, 108.1937



85.3242, 95.1155, 102.6017



19.1325, 20.0846, 23.1183



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.



80.9695, 84.6149, 106.6725



78.0458, 81.3938, 106.2049



80.7466, 81.5482, 106.0923



17.4173, 18.2061, 22.8461



10.7312, 6.3721, 50.0989



1.1324, 0.7954, 4.9071

Inverse Universe

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



84.8242, 83.9695, 91.8620



82.7074, 80.6682, 88.2818



89.3186, 97.4805, 88.9724



18.2185, 18.0707, 19.7678



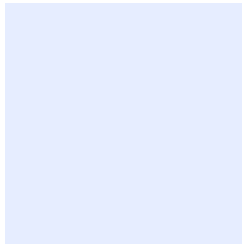
22.2048, 11.3712, 4.4631



2.2062, 1.1248, 0.6671

Previews

White Background



This preview shows how the XYZ color 80.9673, 84.6114, 106.6719 looks on a white background.

Color Contrast Check

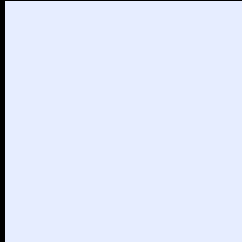
Large Text (above 18pt) WCAG AA × Fail

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 80.9673, 84.6114, 106.6719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

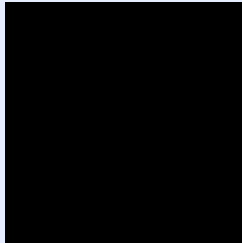
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9673, 84.6114, 106.6719

Background



This preview shows how black text looks on a background with the XYZ color 80.9673, 84.6114, 106.6719.



This preview shows how white text looks on a background with the XYZ color 80.9673, 84.6114,

106.6719.

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

80.9673, 84.6114, 106.6719

Protanopia

82.1898, 84.4053, 105.7259

Deuteranopia

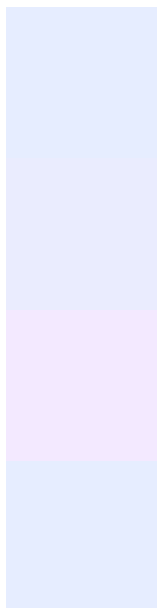
86.0503, 84.6958, 106.4203



Tritanopia

80.9673, 84.6114, 106.6719

Trichromacy



Original Color

80.9673, 84.6114, 106.6719

Protanomaly

81.8165, 84.6391, 105.7907

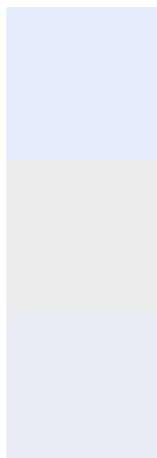
Deuteranomaly

84.1511, 84.5525, 106.4928

Tritanomaly

80.9673, 84.6114, 106.6719

Monochromacy



Original Color

80.9673, 84.6114, 106.6719

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5450, 84.5925, 97.6708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9673, 84.6114, 106.6719 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, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 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(230, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.9673, 84.6114, 106.6719 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, 237, 255) }
```


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

```
.border{ border-color:rgb(230, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9673, 84.6114, 106.6719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 237, 255) }
```

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

```
.background{ background-color: rgb(230,  
237, 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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