

Converting Colors

XYZ(80.7079, 84.6026,
104.9797)

Have a look what the booklet for
XYZ(80.7079, 84.6026, 104.9797)
contains.

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Color

**XYZ(80.6469, 84.4832,
104.9848)**

Conversions

Conversions Part 1

Format	Color
Hex	E6EDFD
RGB	230, 237, 253
RGB Percent	90%, 93%, 99%
CMY	0.0980, 0.0706, 0.0078
CMYK	0.09, 0.06, 0.00, 0.01
HSL	222°, 85%, 95%
HSV	222°, 9%, 99%
XYZ	80.6469, 84.4832, 104.9848
YIQ	236.7310, -9.3080, 3.4920

Conversions

Conversions Part 2

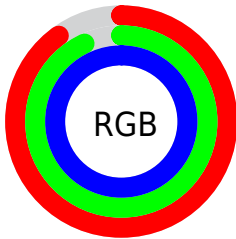
Format	Color
R _Y B	230, 235, 253
Decimal	15134205
CIE Lab	93.66, 0.68, -8.52
CIE LCh	94, 8.543, 274.580
Yxy	84.4832, 0.2986, 0.3128
Android (android.graphics.Color)	4293324285 (0xFFE6EDFD)
YUV	236.7310, 8.0206, -5.9031
Hunter-Lab	91.9147, -4.2331, -3.3806

Details

The XYZ color **80.6469, 84.4832, 104.9848** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.7470, 92.5066, 88.0952**, and the grayscale version is **80.2369, 84.4155, 91.9285**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9432, 46.0319, 58.7935** is the 20% darker color. If you saturate the color by 10%, you get **68.2629, 70.9055, 103.0181**, and if you desaturate by 10%, it is **94.6029, 99.6180, 107.1719**.

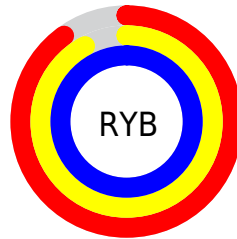
Distribution



Red (90%)

Green (93%)

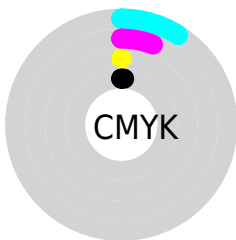
Blue (99%)



Red (90%)

Yellow (92%)

Blue (99%)

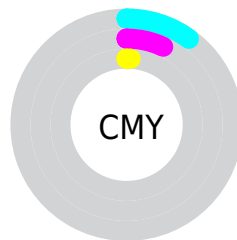


Cyan (9%)

Magenta (6%)

Yellow (0%)

Black (1%)



Cyan (10%)

Magenta (7%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6469, 84.4832, 104.9848 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 80.6469, 84.4832, 104.9848 by changing the saturation by 10% instead.

80.6469, 84.4832,
104.9848

80.6469, 84.4832,
104.9848

485.8137,
509.9164, 597.4415

60.5611, 63.4145,
79.8300

133.2206,
139.6509, 170.1021

44.1223, 46.1766,
59.0532

166.4393,
174.5186, 210.9018

30.9650, 32.3852,
42.2356

204.7662,
214.7548, 257.7535

20.7239, 21.6559,
28.9589

248.5669,
260.7439, 311.0758

13.0336, 13.6043,
18.8044

298.2066,
312.8702, 371.2872

7.5289, 7.8459,
11.3537

354.0508,

3.8442, 3.9965,

371.5181, 438.8062

6.1881

416.4647,
437.0721, 514.0515

■ 1.6144, 1.6716,
2.8891

■ 0.4018, 0.4052,
1.0383

■ 80.6469, 84.4832,
104.9848

■ 80.6469, 84.4832,
104.9848

■ 68.2629, 70.9055,
103.0181

94.6029, 99.6180,
107.1719

■ 57.4899, 58.8769,
101.2641

94.7299, 99.8719,
107.2142

■ 48.2612, 48.3430,
99.7173

■ 40.5023, 39.2421,
98.3696

■ 34.1323, 31.5078,
97.2124

■ 29.0622, 25.0680,
96.2366

■ 25.1912, 19.8429,
95.4321

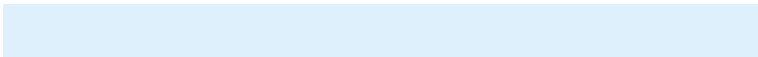
■ 22.4023, 15.7420,
94.7876

■ 20.5287, 12.6469,
94.2889

Harmonies

Analogous

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



78.4444, 84.4832, 103.7151



80.6469, 84.4832, 104.9848



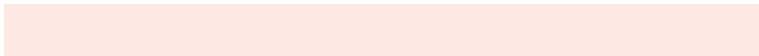
82.7951, 84.4832, 102.6403

Triad

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



80.6469, 84.4832, 104.9848



83.9369, 84.4832, 85.0911



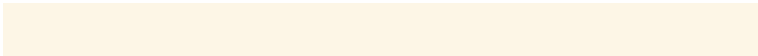
76.4304, 84.4832, 86.7388

Complementary

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



80.6469, 84.4832, 104.9848



87.7470, 92.5066, 88.0952

Split Complementary

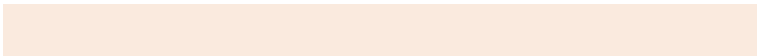
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8530, 84.4832, 82.0992



80.6469, 84.4832, 104.9848



82.1821, 84.4832, 81.1797

Square

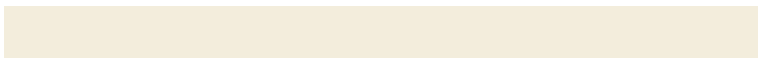
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6469, 84.4832, 104.9848



84.7172, 84.4832, 90.9958



79.9516, 84.4832, 80.1104



76.0367, 84.4832, 92.9871

Rectangle

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



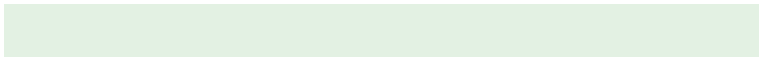
80.6469, 84.4832, 104.9848



83.8992, 84.4832, 99.4051



79.9516, 84.4832, 80.1104



76.8028, 84.4832, 84.9491

Sweetspot

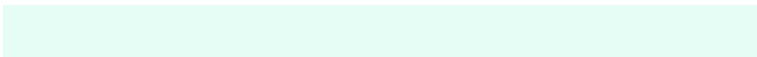
The Sweet Spot groups the original color and five complimentary colors.



80.6494, 84.4868, 104.9867



90.6174, 95.2300, 108.2129



84.3509, 93.7114, 100.6046



19.1480, 20.1157, 23.1235



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.



80.6494, 84.4868, 104.9867



79.5620, 83.2411, 106.4815



80.0307, 81.2161, 104.3880



17.4540, 18.2796, 22.8583



10.9565, 6.8226, 50.1740



1.1582, 0.8471, 4.9157

Inverse Universe

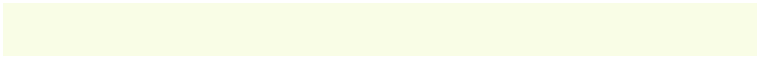
The Inverse Universe completely reimagines the original color for something new.



84.0928, 83.5924, 91.8277



83.7619, 82.1974, 90.4209



88.3993, 96.0650, 88.7476



18.2371, 18.0781, 19.8655



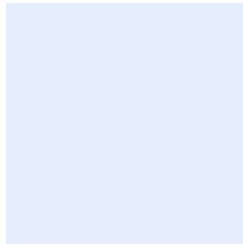
22.3185, 11.4167, 5.0618



2.2192, 1.1301, 0.7359

Previews

White Background



This preview shows how the XYZ color 80.6469, 84.4832, 104.9848 looks on a white background.

Color Contrast Check

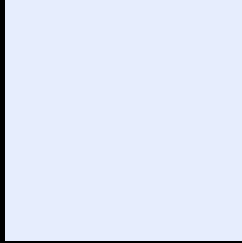
Large Text (above 18pt) WCAG AA × Fail

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 80.6469, 84.4832, 104.9848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

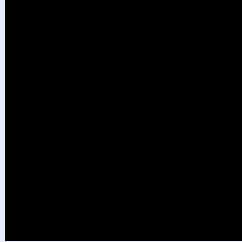
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

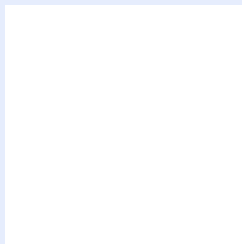
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.6469, 84.4832, 104.9848

Background



This preview shows how black text looks on a background with the XYZ color 80.6469, 84.4832, 104.9848.



This preview shows how white text looks on a background with the XYZ color 80.6469, 84.4832,

104.9848.

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

80.6469, 84.4832, 104.9848

Protanopia

81.8711, 84.2778, 104.0476

Deuteranopia

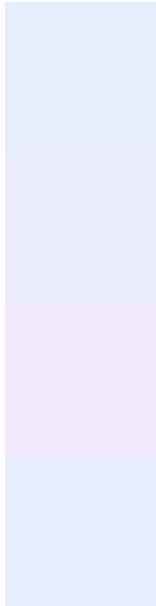
85.9699, 84.2586, 105.4984



Tritanopia

81.2892, 84.7773, 106.6870

Trichromacy



Original Color

80.6469, 84.4832, 104.9848

Protanomaly

81.4978, 84.5116, 104.1124

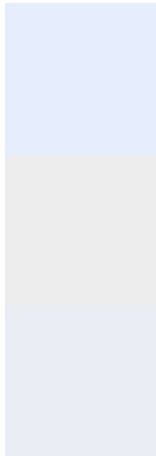
Deuteranomaly

83.9905, 84.4883, 105.6470

Tritanomaly

81.1286, 84.7131, 105.8413

Monochromacy



Original Color

80.6469, 84.4832, 104.9848

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.3935, 84.5319, 96.8731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6469, 84.4832, 104.9848 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 253) }
```

Border

The CSS property to change the border of an element to XYZ 80.6469, 84.4832, 104.9848 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, 253) }
```


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

```
.border{ border-color:rgb(230, 237, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 237, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 237, 253); box-shadow:4px 4px 4px 4px rgb(230, 237, 253) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6469, 84.4832, 104.9848 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, 253) }
```

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

```
.background{ background-color: rgb(230,  
237, 253) }
```

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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