

Converting Colors

XYZ(65.8285, 68.9824,
104.4532)

Have a look what the booklet for
XYZ(65.8285, 68.9824, 104.4532)
contains.

XYZ(65.8864, 69.0986, 104.4725)	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(65.8864, 69.0986,
104.4725)**

Conversions

Conversions Part 1

Format	Color
Hex	C4DAFF
RGB	196, 218, 255
RGB Percent	77%, 85%, 100%
CMY	0.2314, 0.1451, 0.0000
CMYK	0.23, 0.15, 0.00, 0.00
HSL	218°, 100%, 88%
HSV	218°, 23%, 100%
XYZ	65.8864, 69.0986, 104.4725
YIQ	215.6400, -24.9890, 6.8430

Conversions

Conversions Part 2

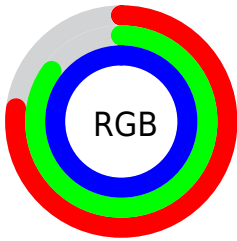
Format	Color
R _Y B	196, 212, 255
Decimal	12901119
CIE Lab	86.55, 0.47, -20.45
CIE LCh	87, 20.452, 271.320
Yxy	69.0986, 0.2751, 0.2886
Android (android.graphics.Color)	4291091199 (0xFFC4DAFF)
YUV	215.6400, 19.4045, -17.2243
Hunter-Lab	83.1256, -3.9883, -16.3280

Details

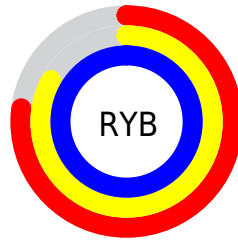
The XYZ color **65.8864, 69.0986, 104.4725** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.3427, 83.5227, 64.1134**, and the grayscale version is **64.9115, 68.2920, 74.3700**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **34.2747, 35.9343, 58.5556** is the 20% darker color. If you saturate the color by 10%, you get **55.8604, 58.0699, 102.8722**, and if you desaturate by 10%, it is **77.4436, 81.5140, 106.2598**.

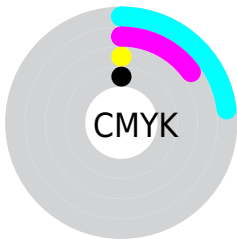
Distribution



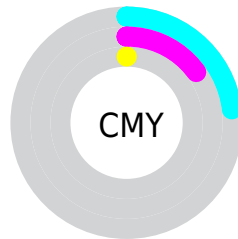
- Red (77%)
- Green (85%)
- Blue (100%)



- Red (77%)
- Yellow (83%)
- Blue (100%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8864, 69.0986, 104.4725 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 65.8864, 69.0986, 104.4725 by changing the saturation by 10% instead.

■ 65.8864, 69.0986,
104.4725

■ 65.8864, 69.0986,
104.4725

435.4655,
457.3787, 595.8074

■ 48.4476, 50.7920,
79.4033

112.3819,
117.9224, 169.3952

■ 34.3942, 36.0431,
58.7042

142.1693,
149.2084, 210.0859

■ 23.3609, 24.4675,
41.9566

176.8035,
185.5897, 256.8207

■ 14.9824, 15.6808,
28.7420

216.6500,
227.4506, 310.0184

■ 8.8933, 9.2985,
18.6418

262.0741,
275.1755, 370.0973

■ 4.7282, 4.9364,
11.2376

313.4412,

■ 2.1218, 2.2100,

329.1489, 437.4761

6.1107

371.1165,
389.7552, 512.5733

■ 0.7010, 0.7254,
2.8426

■ 0.0000, 0.0000,
1.0148

■ 65.8864, 69.0986,
104.4725

■ 65.8864, 69.0986,
104.4725

■ 55.8604, 58.0699,
102.8722

■ 77.4436, 81.5140,
106.2598

■ 47.2915, 48.3678,
101.4511

■ 90.5899, 95.3568,
108.2389

■ 40.1079, 39.9395,
100.2029

■ 95.0500, 100.0000,
108.9000

■ 34.2291, 32.7252,
99.1203

■ 29.5651, 26.6591,
98.1952

■ 26.0135, 21.6679,
97.4190

■ 23.4517, 17.6666,
96.7817

■ 22.1508, 15.4217,
96.4169

Harmonies

Analogous

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



61.3976, 69.0986, 100.5447



65.8864, 69.0986, 104.4725



70.5298, 69.0986, 99.8167

Triad

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



65.8864, 69.0986, 104.4725



73.7758, 69.0986, 62.4648



57.9986, 69.0986, 63.3896

Complementary

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



65.8864, 69.0986, 104.4725



80.3427, 83.5227, 64.1134

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.



61.0504, 69.0986, 55.0644



65.8864, 69.0986, 104.4725



70.1490, 69.0986, 54.5774

Square

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



65.8864, 69.0986, 104.4725



75.2180, 69.0986, 74.6367



65.4663, 69.0986, 52.0375



56.9774, 69.0986, 75.8397

Rectangle

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



65.8864, 69.0986, 104.4725



73.0528, 69.0986, 92.7613



65.4663, 69.0986, 52.0375



58.8135, 69.0986, 60.0710

Sweetspot

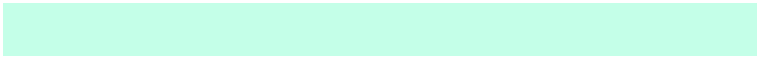
The Sweet Spot groups the original color and five complimentary colors.



65.8883, 69.1013, 104.4729



85.3177, 89.8354, 107.4510



73.1459, 89.1043, 89.9743



18.0899, 19.0481, 22.9732



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.



65.8883, 69.1013, 104.4729



60.8241, 63.5663, 103.6715



62.3882, 59.3818, 102.7814



17.5579, 18.4874, 22.8930



11.7053, 8.3201, 50.4236



1.2403, 1.0113, 4.9431

Inverse Universe

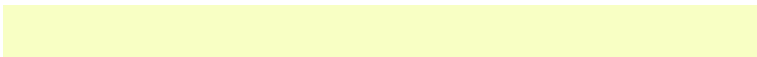
The Inverse Universe completely reimagines the original color for something new.



73.6361, 65.8035, 75.1530



69.9587, 60.0395, 69.0226



84.4771, 95.4835, 66.2042



18.2895, 18.0991, 20.1416



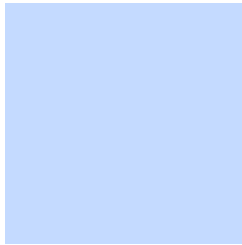
22.6965, 11.5679, 7.0521



2.2607, 1.1466, 0.9540

Previews

White Background



This preview shows how the XYZ color 65.8864, 69.0986, 104.4725 looks on a white background.

Color Contrast Check

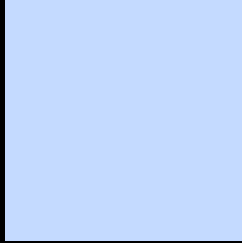
Large Text (above 18pt) WCAG AA × Fail

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 65.8864, 69.0986, 104.4725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

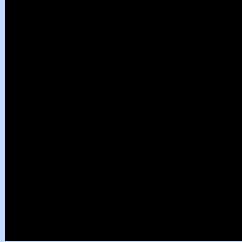
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

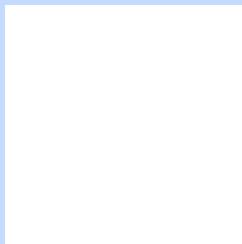
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.8864, 69.0986, 104.4725

Background



This preview shows how black text looks on a background with the XYZ color 65.8864, 69.0986, 104.4725.



This preview shows how white text looks on a background with the XYZ color 65.8864, 69.0986,

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

65.8864, 69.0986, 104.4725

Protanopia

68.3246, 69.2480, 102.6936

Deuteranopia

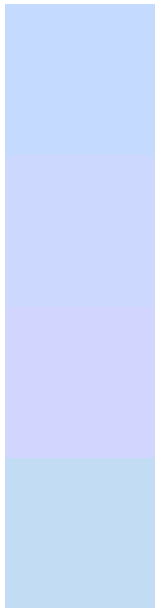
70.2577, 68.7140, 104.1679



Tritanopia

63.2814, 69.2234, 90.9151

Trichromacy



Original Color

65.8864, 69.0986, 104.4725

Protanomaly

67.3471, 69.1049, 103.5549

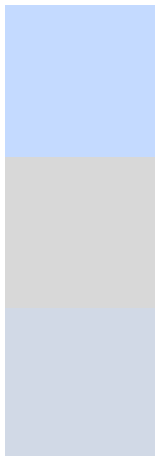
Deuteranomaly

68.6749, 69.0148, 104.3094

Tritanomaly

64.1705, 69.1874, 95.5603

Monochromacy



Original Color

65.8864, 69.0986, 104.4725

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.3903, 68.8942, 84.7144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8864, 69.0986, 104.4725 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(196, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 218, 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(196, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.8864, 69.0986, 104.4725 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(196, 218, 255) }
```


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

```
.border{ border-color:rgb(196, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8864, 69.0986, 104.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 218, 255) }
```

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

```
.background{ background-color: rgb(196,  
218, 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