

Converting Colors

XYZ(67.8647, 69.8831,
104.5197)

Have a look what the booklet for
XYZ(67.8647, 69.8831, 104.5197)
contains.

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Color

**XYZ(67.7647, 69.6831,
104.4863)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD9FF
RGB	204, 217, 255
RGB Percent	80%, 85%, 100%
CMY	0.2000, 0.1490, 0.0000
CMYK	0.20, 0.15, 0.00, 0.00
HSL	225°, 100%, 90%
HSV	225°, 20%, 100%
XYZ	67.7647, 69.6831, 104.4863
YIQ	217.4450, -19.9460, 9.0620

Conversions

Conversions Part 2

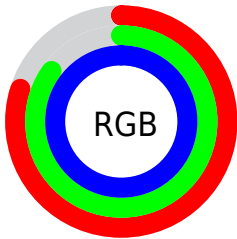
Format	Color
RYB	204, 214, 255
Decimal	13425151
CIELab	86.84, 3.39, -19.96
CIELCh	87, 20.245, 279.651
Yxy	69.6831, 0.2801, 0.2880
Android (android.graphics.Color)	4291615231 (0xFFCCD9FF)
YUV	217.4450, 18.5146, -11.7913
Hunter-Lab	83.4764, -1.1805, -15.7790

Details

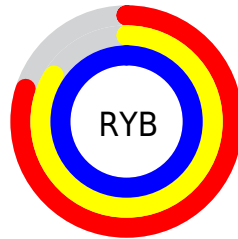
The XYZ color **67.7647, 69.6831, 104.4863** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.8910, 89.1229, 69.9094**, and the grayscale version is **66.1470, 69.5918, 75.7854**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5078, 36.3074, 58.5627** is the 20% darker color. If you saturate the color by 10%, you get **56.7211, 57.1354, 102.6465**, and if you desaturate by 10%, it is **80.5202, 83.9537, 106.5686**.

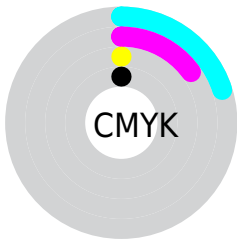
Distribution



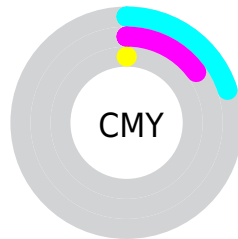
- Red (80%)
- Green (85%)
- Blue (100%)



- Red (80%)
- Yellow (84%)
- Blue (100%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7647, 69.6831, 104.4863 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 67.7647, 69.6831, 104.4863 by changing the saturation by 10% instead.

■ 67.7647, 69.6831,
104.4863

■ 67.7647, 69.6831,
104.4863

442.0517,
459.4365, 595.8515

■ 49.9793, 51.2682,
79.4148

115.0592,
118.7567, 169.4143

■ 35.6147, 36.4221,
58.7136

145.2991,
150.1843, 210.1079

■ 24.3055, 24.7604,
41.9641

180.4211,
186.7181, 256.8459

■ 15.6863, 15.8986,
28.7478

220.7907,
228.7428, 310.0469

■ 9.3919, 9.4524,
18.6462

266.7732,
276.6425, 370.1294

■ 5.0568, 5.0375,
11.2407

318.7340,

■ 2.3157, 2.2693,

330.8018, 437.5120

6.1128

377.0383,
391.6050, 512.6132

■ 0.8027, 0.7574,
2.8439

■ 0.0000, 0.0000,
1.0155

■ 67.7647, 69.6831,
104.4863

■ 67.7647, 69.6831,
104.4863

■ 56.7211, 57.1354,
102.6465

■ 80.5202, 83.9537,
106.5686

■ 47.3089, 46.2357,
101.0387

95.0500, 100.0000,
108.9000

■ 39.4498, 36.9153,
99.6539

■ 33.0561, 29.0976,
98.4819

■ 28.0315, 22.6990,
97.5117

■ 24.2669, 17.6268,
96.7311

■ 21.6348, 13.7759,
96.1265

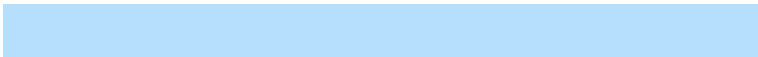
■ 19.9412, 11.0023,
95.6804

■ 19.9410, 11.0021,
95.6803

Harmonies

Analogous

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



63.1260, 69.6831, 102.9417



67.7647, 69.6831, 104.4863



72.1927, 69.6831, 97.6937

Triad

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



67.7647, 69.6831, 104.4863



73.4672, 69.6831, 60.4682



58.0826, 69.6831, 67.1898

Complementary

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



67.7647, 69.6831, 104.4863



83.8910, 89.1229, 69.9094

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.



60.6082, 69.6831, 57.5705



67.7647, 69.6831, 104.4863



69.4376, 69.6831, 54.0215

Square

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



67.7647, 69.6831, 104.4863



75.5867, 69.6831, 71.5990



64.7220, 69.6831, 53.0277



57.6823, 69.6831, 80.3139

Rectangle

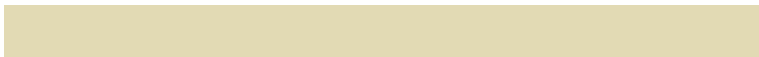
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7647, 69.6831, 104.4863



74.3754, 69.6831, 89.7765



64.7220, 69.6831, 53.0277



58.7052, 69.6831, 63.4847

Sweetspot

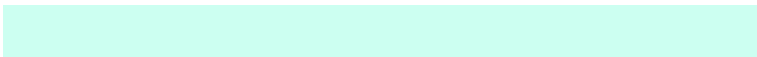
The Sweet Spot groups the original color and five complimentary colors.



67.7666, 69.6859, 104.4868



86.1141, 90.1542, 107.4705



76.5997, 90.7326, 97.0092



18.2322, 19.0757, 22.9710



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.



67.7666, 69.6859, 104.4868



63.1463, 64.4619, 103.7220



67.9335, 64.9911, 103.5718



17.3793, 18.1303, 22.8335



10.5198, 5.9492, 50.0284



1.1074, 0.7455, 4.8988

Inverse Universe

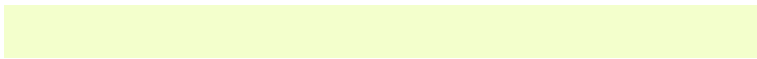
The Inverse Universe completely reimagines the original color for something new.



75.3585, 69.4570, 75.0835



72.0459, 64.3780, 69.2126



83.6563, 94.9524, 71.0469



18.1994, 18.0631, 19.6671



22.0981, 11.3285, 3.9011



2.1936, 1.1198, 0.6007

Previews

White Background



This preview shows how the XYZ color 67.7647, 69.6831, 104.4863 looks on a white background.

Color Contrast Check

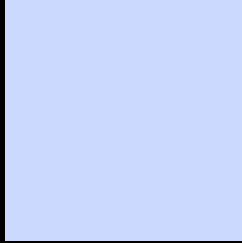
Large Text (above 18pt) WCAG AA × Fail

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 67.7647, 69.6831, 104.4863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

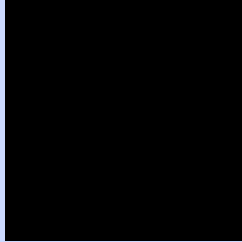
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7647, 69.6831, 104.4863

Background



This preview shows how black text looks on a background with the XYZ color 67.7647, 69.6831, 104.4863.

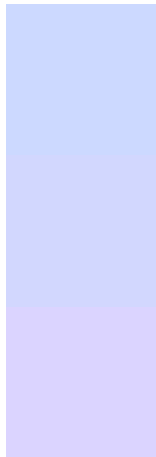


This preview shows how white text looks on a background with the XYZ color 67.7647, 69.6831,

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

67.7647, 69.6831, 104.4863

Protanopia

68.7682, 69.4583, 103.5482

Deuteranopia

70.8069, 69.3670, 104.2650



Tritanopia

64.9667, 69.7183, 90.1536

Trichromacy



Original Color

67.7647, 69.6831, 104.4863

Protanomaly

68.4577, 69.6774, 103.6069

Deuteranomaly

69.8281, 69.6093, 104.3633

Tritanomaly

66.0178, 69.7512, 95.5718

Monochromacy



Original Color

67.7647, 69.6831, 104.4863

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.3880, 69.3923, 85.4963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7647, 69.6831, 104.4863 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(204, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 217, 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(204, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.7647, 69.6831, 104.4863 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(204, 217, 255) }
```


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

```
.border{ border-color:rgb(204, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7647, 69.6831, 104.4863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 217, 255) }
```

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

```
.background{ background-color: rgb(204,  
217, 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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