

Converting Colors

XYZ(81.3932, 74.3566,
183.5375)

Have a look what the booklet for
XYZ(81.3932, 74.3566, 183.5375)
contains.

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Color

**XYZ(66.1699, 68.1002,
104.2649)**

Conversions

Conversions Part 1

Format	Color
Hex	C8D7FF
RGB	200, 215, 255
RGB Percent	78%, 84%, 100%
CMY	0.2157, 0.1568, 0.0000
CMYK	0.22, 0.16, 0.00, 0.00
HSL	224°, 100%, 89%
HSV	224°, 22%, 100%
XYZ	66.1699, 68.1002, 104.2649
YIQ	215.0750, -21.7800, 9.2600

Conversions

Conversions Part 2

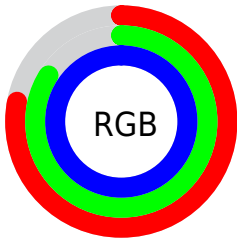
Format	Color
R _Y B	200, 212, 255
Decimal	13162495
CIE Lab	86.06, 3.24, -21.17
CIE LCh	86, 21.419, 278.712
Yxy	68.1002, 0.2774, 0.2855
Android (android.graphics.Color)	4291352575 (0xFFC8D7FF)
YUV	215.0750, 19.6830, -13.2208
Hunter-Lab	82.5228, -1.2870, -17.1450

Details

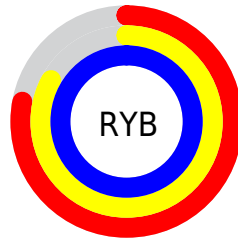
The XYZ color **66.1699, 68.1002, 104.2649** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.8254, 87.7497, 67.2175**, and the grayscale version is **64.5252, 67.8855, 73.9274**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.4409, 35.2386, 58.4126** is the 20% darker color. If you saturate the color by 10%, you get **55.4617, 55.9642, 102.4868**, and if you desaturate by 10%, it is **78.5530, 81.8976, 106.2754**.

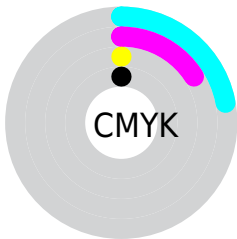
Distribution



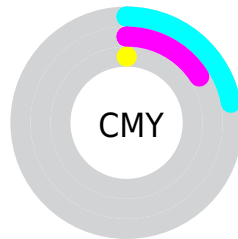
- Red (78%)
- Green (84%)
- Blue (100%)



- Red (78%)
- Yellow (83%)
- Blue (100%)



- Cyan (22%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1699, 68.1002, 104.2649 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 66.1699, 68.1002, 104.2649 by changing the saturation by 10% instead.

■ 66.1699, 68.1002,
104.2649

■ 66.1699, 68.1002,
104.2649

436.4633,
453.8509, 595.1446

■ 48.6786, 49.9793,
79.2304

112.7865,
116.4955, 169.1087

■ 34.5780, 35.3969,
58.5628

142.6425,
147.5386, 209.7551

■ 23.5030, 23.9688,
41.8436

177.3508,
183.6579, 256.4425

■ 15.0881, 15.3105,
28.6542

217.2766,
225.2378, 309.5896

■ 8.9680, 9.0376,
18.5761

262.7855,
272.6626, 369.6148

■ 4.7772, 4.7657,
11.1907

314.2426,

■ 2.1506, 2.1105,

326.3168, 436.9366

6.0794

372.0135,
386.5848, 511.9737

■ 0.7165, 0.6705,
2.8239

■ 0.0000, 0.0000,
1.0054

■ 66.1699, 68.1002,
104.2649

■ 66.1699, 68.1002,
104.2649

■ 55.4617, 55.9642,
102.4868

■ 78.5530, 81.8976,
106.2754

■ 46.3485, 45.4170,
100.9313

■ 92.6745, 97.4093,
108.5251

■ 38.7526, 36.3922,
99.5897

■ 95.0500, 100.0000,
108.9000

■ 32.5866, 28.8154,
98.4522

■ 27.7543, 22.6055,
97.5082

■ 24.1463, 17.6722,
96.7462

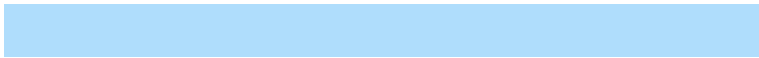
■ 21.6337, 13.9124,
96.1529

■ 20.2124, 11.5448,
95.7708

Harmonies

Analogous

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



61.3549, 68.1002, 102.3499



66.1699, 68.1002, 104.2649



70.8222, 68.1002, 97.3490

Triad

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



66.1699, 68.1002, 104.2649



72.3887, 68.1002, 58.4712



56.3111, 68.1002, 64.7467

Complementary

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



66.1699, 68.1002, 104.2649



82.8254, 87.7497, 67.2175

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.



58.9923, 68.1002, 54.9639



66.1699, 68.1002, 104.2649



68.2209, 68.1002, 51.6725

Square

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



66.1699, 68.1002, 104.2649



74.5300, 68.1002, 70.1232



63.3056, 68.1002, 50.4752



55.8240, 68.1002, 78.3271

Rectangle

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



66.1699, 68.1002, 104.2649



73.1479, 68.1002, 89.1200



63.3056, 68.1002, 50.4752



56.9789, 68.1002, 60.9571

Sweetspot

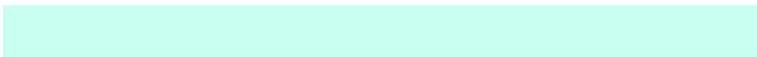
The Sweet Spot groups the original color and five complimentary colors.



66.1718, 68.1029, 104.2653



86.1960, 90.3179, 107.4978



75.2220, 90.0565, 95.4032



18.2515, 19.1143, 22.9774



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.



66.1718, 68.1029, 104.2653



61.2225, 62.5217, 103.4489



65.8331, 62.5150, 103.2046



17.4061, 18.1839, 22.8424



10.6669, 6.2435, 50.0775



1.1248, 0.7804, 4.9046

Inverse Universe

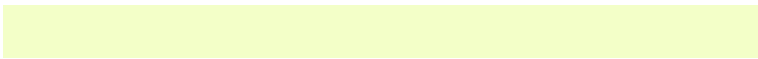
The Inverse Universe completely reimagines the original color for something new.



74.1613, 67.4765, 73.4084



70.6093, 62.0207, 67.1430



83.1768, 94.7599, 68.5521



18.2129, 18.0685, 19.7382



22.1724, 11.3582, 4.2922



2.2024, 1.1233, 0.6471

Previews

White Background



This preview shows how the XYZ color 66.1699, 68.1002, 104.2649 looks on a white background.

Color Contrast Check

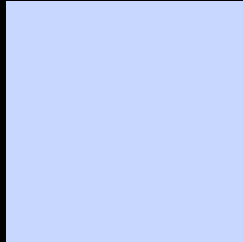
Large Text (above 18pt) WCAG AA × Fail

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 66.1699, 68.1002, 104.2649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

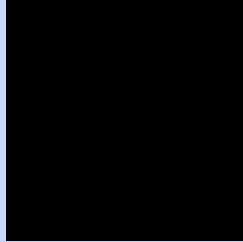
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.1699, 68.1002, 104.2649

Background



This preview shows how black text looks on a background with the XYZ color 66.1699, 68.1002, 104.2649.



This preview shows how white text looks on a background with the XYZ color 66.1699, 68.1002,

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

66.1699, 68.1002, 104.2649

Protanopia

67.4158, 68.0097, 103.3399

Deuteranopia

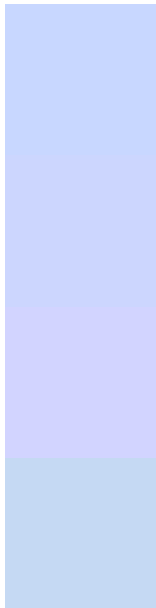
69.4155, 67.9121, 104.0575



Tritanopia

62.9767, 67.9347, 89.1504

Trichromacy



Original Color

66.1699, 68.1002, 104.2649

Protanomaly

66.8378, 68.0863, 103.3852

Deuteranomaly

68.1718, 68.0086, 104.1417

Tritanomaly

64.0165, 67.9671, 94.5390

Monochromacy



Original Color

66.1699, 68.1002, 104.2649

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.1617, 68.0157, 84.5569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1699, 68.1002, 104.2649 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(200, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 215, 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(200, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.1699, 68.1002, 104.2649 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(200, 215, 255) }
```


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

```
.border{ border-color:rgb(200, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 215,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1699, 68.1002, 104.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 215, 255) }
```

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

```
.background{ background-color: rgb(200,  
215, 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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