

Converting Colors

XYZ(70.9749, 69.8049,
127.7756)

Have a look what the booklet for
XYZ(70.9749, 69.8049, 127.7756)
contains.

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Color

**XYZ(66.4537, 67.8697,
104.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	CAD6FF
RGB	202, 214, 255
RGB Percent	79%, 84%, 100%
CMY	0.2078, 0.1608, 0.0000
CMYK	0.21, 0.16, 0.00, 0.00
HSL	226°, 100%, 90%
HSV	226°, 21%, 100%
XYZ	66.4537, 67.8697, 104.2054
YIQ	215.0860, -20.3130, 10.2070

Conversions

Conversions Part 2

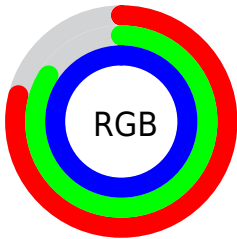
Format	Color
R_{YB}	202, 212, 255
Decimal	13293311
CIE _{Lab}	85.94, 4.37, -21.33
CIE _{LCh}	86, 21.777, 281.586
Yxy	67.8697, 0.2786, 0.2845
Android (android.graphics.Color)	4291483391 (0xFFCAD6FF)
YUV	215.0860, 19.6776, -11.4764
Hunter-Lab	82.3831, -0.1847, -17.3271

Details

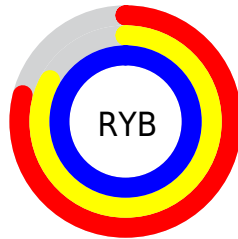
The XYZ color **66.4537, 67.8697, 104.2054** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.9511, 89.6246, 68.7535**, and the grayscale version is **64.5320, 67.8927, 73.9351**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6238, 35.0765, 58.3717** is the 20% darker color. If you saturate the color by 10%, you get **55.4224, 55.2168, 102.3446**, and if you desaturate by 10%, it is **79.2334, 82.3247, 106.3220**.

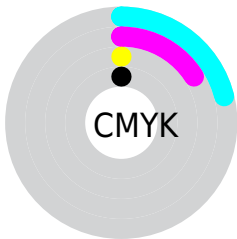
Distribution



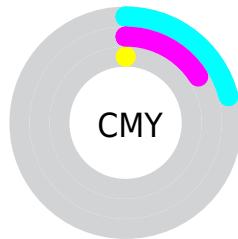
- Red (79%)
- Green (84%)
- Blue (100%)



- Red (79%)
- Yellow (83%)
- Blue (100%)



- Cyan (21%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4537, 67.8697, 104.2054 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 66.4537, 67.8697, 104.2054 by changing the saturation by 10% instead.

■ 66.4537, 67.8697,
104.2054

■ 66.4537, 67.8697,
104.2054

437.4608,
453.0342, 594.9545

■ 48.9099, 49.7917,
79.1809

113.1914,
116.1657, 169.0266

■ 34.7622, 35.2479,
58.5223

143.1160,
147.1526, 209.6603

■ 23.6454, 23.8539,
41.8112

177.8981,
183.2112, 256.3341

■ 15.1941, 15.2253,
28.6291

217.9033,
224.7259, 309.4667

■ 9.0429, 8.9777,
18.5572

263.4968,
272.0812, 369.4764

■ 4.8265, 4.7266,
11.1772

315.0440,

■ 2.1796, 2.0878,

325.6614, 436.7820

6.0705

372.9102,
385.8509, 511.8018

■ 0.7319, 0.6577,
2.8185

■ 0.0000, 0.0000,
1.0027

■ 66.4537, 67.8697,
104.2054

■ 66.4537, 67.8697,
104.2054

■ 55.4224, 55.2168,
102.3446

■ 79.2334, 82.3247,
106.3220

■ 46.0563, 44.2862,
100.7284

■ 93.8282, 98.6414,
108.7022

■ 38.2739, 35.0036,
99.3469

■ 95.0500, 100.0000,
108.9000

■ 31.9842, 27.2863,
98.1888

■ 27.0868, 21.0438,
97.2420

■ 23.4680, 16.1756,
96.4930

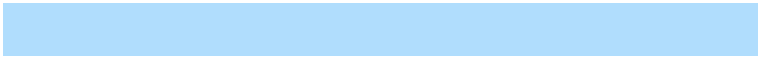
■ 20.9944, 12.5670,
95.9269

■ 19.5503, 10.2207,
95.5501

Harmonies

Analogous

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



61.5257, 67.8697, 103.1444



66.4537, 67.8697, 104.2054



71.0860, 67.8697, 96.4064

Triad

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



66.4537, 67.8697, 104.2054



71.9511, 67.8697, 57.1248



55.8292, 67.8697, 65.5572

Complementary

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



66.4537, 67.8697, 104.2054



83.9511, 89.6246, 68.7535

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.



58.3491, 67.8697, 55.1986



66.4537, 67.8697, 104.2054



67.5854, 67.8697, 50.7803

Square

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



66.4537, 67.8697, 104.2054



74.3674, 67.8697, 68.5178



62.6009, 67.8697, 50.1239



55.5612, 67.8697, 79.5539

Rectangle

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



66.4537, 67.8697, 104.2054



73.3169, 67.8697, 87.7546



62.6009, 67.8697, 50.1239



56.4347, 67.8697, 61.5837

Sweetspot

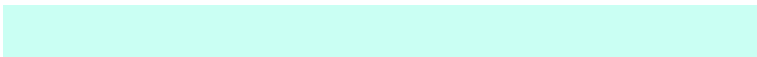
The Sweet Spot groups the original color and five complimentary colors.



66.4556, 67.8724, 104.2058



85.9834, 89.8927, 107.4270



76.2403, 90.5259, 97.9595



18.2014, 19.0141, 22.9607



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.



66.4556, 67.8724, 104.2058



61.5948, 62.3207, 103.3905



67.5301, 64.0820, 103.4176



17.3366, 18.0449, 22.8192



10.3067, 5.5230, 49.9574



1.0813, 0.6933, 4.8901

Inverse Universe

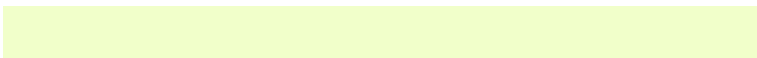
The Inverse Universe completely reimagines the original color for something new.



74.4994, 68.3577, 72.8892



71.0279, 63.0718, 66.6237



82.6514, 94.4619, 69.7556



18.1778, 18.0544, 19.5535



21.9906, 11.2855, 3.3348



2.1804, 1.1145, 0.5314

Previews

White Background



This preview shows how the XYZ color 66.4537, 67.8697, 104.2054 looks on a white background.

Color Contrast Check

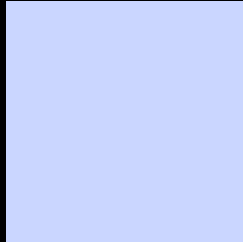
Large Text (above 18pt) WCAG AA × Fail

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 66.4537, 67.8697, 104.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

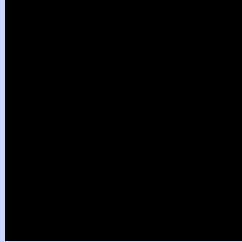
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.4537, 67.8697, 104.2054

Background



This preview shows how black text looks on a background with the XYZ color 66.4537, 67.8697, 104.2054.



This preview shows how white text looks on a background with the XYZ color 66.4537, 67.8697,

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

66.4537, 67.8697, 104.2054

Protanopia

67.1372, 67.8661, 103.3269

Deuteranopia

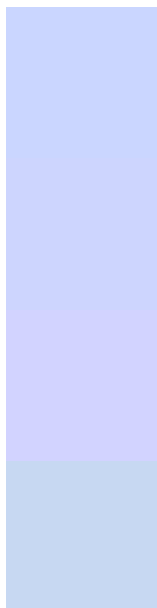
69.1209, 67.7603, 104.0437



Tritanopia

63.0970, 67.6296, 88.3255

Trichromacy



Original Color

66.4537, 67.8697, 104.2054

Protanomaly

66.8605, 67.7234, 103.3139

Deuteranomaly

67.9226, 67.5102, 104.0586

Tritanomaly

64.1361, 67.6647, 93.6847

Monochromacy



Original Color

66.4537, 67.8697, 104.2054

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 66.4537, 67.8697, 104.2054 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(202, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 214, 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(202, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.4537, 67.8697, 104.2054 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(202, 214, 255) }
```


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

```
.border{ border-color:rgb(202, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4537, 67.8697, 104.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 214, 255) }
```

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

```
.background{ background-color: rgb(202,  
214, 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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