

# Converting Colors

XYZ(66.4794, 71.1281,  
104.8330)

Have a look what the booklet for  
XYZ(66.4794, 71.1281, 104.8330)  
contains.

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# Color

**XYZ(66.4194, 70.9319,  
104.7983)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2DEFF
RGB	194, 222, 255
RGB Percent	76%, 87%, 100%
CMY	0.2392, 0.1294, 0.0000
CMYK	0.24, 0.13, 0.00, 0.00
HSL	212°, 100%, 88%
HSV	212°, 24%, 100%
XYZ	66.4194, 70.9319, 104.7983
YIQ	217.3900, -27.2810, 4.3270

# Conversions

## Conversions Part 2

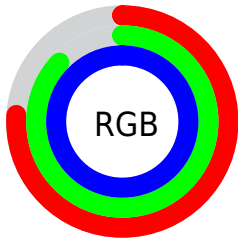
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	194, 213, 255
Decimal	12771071
CIE <sub>Lab</sub>	87.45, -2.21, -19.10
CIE <sub>LCh</sub>	87, 19.230, 263.389
Yxy	70.9319, 0.2743, 0.2929
Android (android.graphics.Color)	4290961151 (0xFFC2DEFF)
YUV	217.3900, 18.5417, -20.5130
Hunter-Lab	84.2211, -6.6162, -14.8212

# Details

The XYZ color **66.4194, 70.9319, 104.7983** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.4466, 80.0925, 62.3655**, and the grayscale version is **66.1126, 69.5556, 75.7461**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **34.6592, 37.2036, 58.7804** is the 20% darker color. If you saturate the color by 10%, you get **56.9130, 60.8147, 103.3465**, and if you desaturate by 10%, it is **77.3524, 82.2331, 106.4034**.

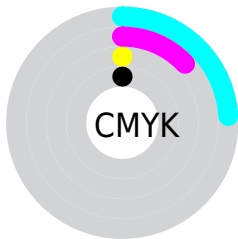
# Distribution



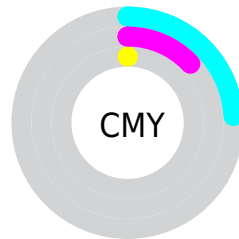
- Red (76%)
- Green (87%)
- Blue (100%)



- Red (76%)
- Yellow (84%)
- Blue (100%)



- Cyan (24%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4194, 70.9319, 104.7983 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 66.4194, 70.9319, 104.7983 by changing the saturation by 10% instead.



■ 66.4194, 70.9319,  
104.7983

■ 66.4194, 70.9319,  
104.7983

437.3403,  
463.8153, 596.8469

■ 48.8819, 52.2866,  
79.6747

■ 113.1425,  
120.5368, 169.8448

■ 34.7400, 37.2336,  
58.9261

143.0588,  
152.2651, 210.6048

■ 23.6282, 25.3884,  
42.1340

177.8320,  
189.1233, 257.4140

■ 15.1813, 16.3667,  
28.8799

217.8276,  
231.4957, 310.6910

■ 9.0339, 9.7840,  
18.7452

263.4109,  
279.7667, 370.8542

■ 4.8206, 5.2560,  
11.3113

314.9472,

■ 2.1760, 2.3982,

334.3207, 438.3222

6.1599

372.8019,  
395.5421, 513.5136

■ 0.7301, 0.8250,  
2.8722

■ 0.0000, 0.0000,  
1.0297

■ 66.4194, 70.9319,  
104.7983

■ 66.4194, 70.9319,  
104.7983

■ 56.9130, 60.8147,  
103.3465

■ 77.3524, 82.2331,  
106.4034

■ 48.7629, 51.8293,  
102.0417

■ 89.7662, 94.7511,  
108.1653

■ 41.9012, 43.9315,  
100.8789

95.0500, 100.0000,  
108.9000

■ 36.2514, 37.0703,  
99.8524

■ 31.7278, 31.1898,  
98.9557

■ 28.2322, 26.2267,  
98.1820

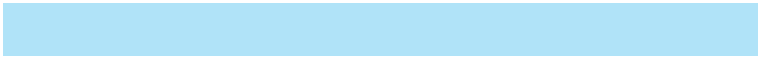
■ 25.6457, 22.1066,  
97.5231

■ 24.4185, 19.9569,  
97.1728

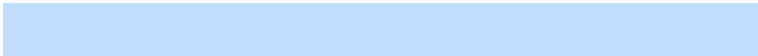
# Harmonies

## Analogous

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



62.3495, 70.9319, 99.0690



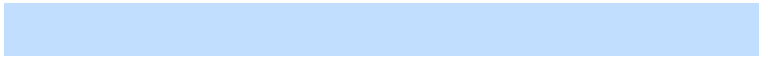
66.4194, 70.9319, 104.7983



70.9406, 70.9319, 102.5032

# Triad

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



66.4194, 70.9319, 104.7983



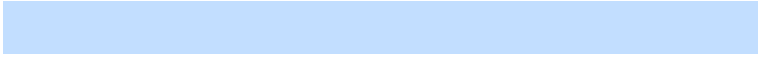
75.7451, 70.9319, 67.7351



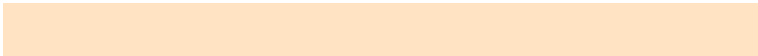
60.6570, 70.9319, 63.2727

# Complementary

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



66.4194, 70.9319, 104.7983



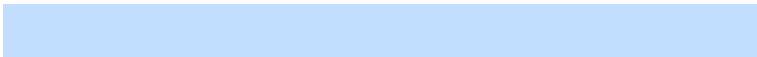
78.4466, 80.0925, 62.3655

# 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.



64.0152, 70.9319, 56.4996



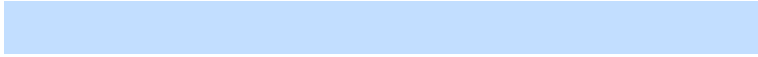
66.4194, 70.9319, 104.7983



72.7553, 70.9319, 58.8670

# Square

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



66.4194, 70.9319, 104.7983



76.4592, 70.9319, 80.1446



68.4279, 70.9319, 54.9819

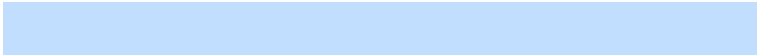


59.1204, 70.9319, 74.3923



# Rectangle

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



66.4194, 70.9319, 104.7983



73.5895, 70.9319, 96.8450



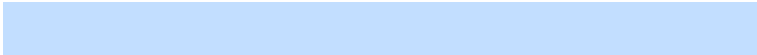
68.4279, 70.9319, 54.9819



61.6028, 70.9319, 60.4650

# Sweetspot

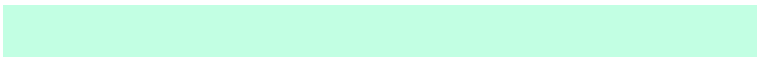
The Sweet Spot groups the original color and five complimentary colors.



66.4214, 70.9347, 104.7987



85.7818, 90.7637, 107.6057



71.8099, 88.5101, 85.6362



18.1973, 19.2629, 23.0090



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.



66.4214, 70.9347, 104.7987



61.4177, 65.6496, 104.0423



60.1168, 57.5455, 102.5466



17.6901, 18.7518, 22.9370



12.9045, 10.7186, 50.8233



1.3642, 1.2591, 4.9844



# Inverse Universe

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



73.7179, 65.1190, 77.7943



70.0395, 59.2343, 72.0304



85.9938, 96.2916, 65.0944



18.3562, 18.1258, 20.4930



23.3018, 11.8100, 10.2397

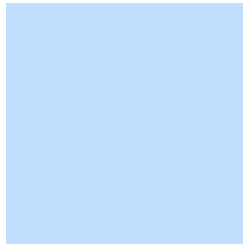


2.3232, 1.1717, 1.2834



# Previews

## White Background



This preview shows how the XYZ color 66.4194, 70.9319, 104.7983 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

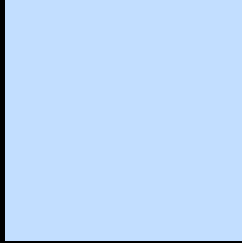
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.4194, 70.9319, 104.7983 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

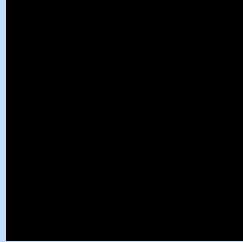
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

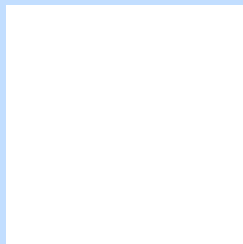
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.4194, 70.9319, 104.7983

## Background



This preview shows how black text looks on a background with the XYZ color 66.4194, 70.9319, 104.7983.



This preview shows how white text looks on a background with the XYZ color 66.4194, 70.9319,



# 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

66.4194, 70.9319, 104.7983

### Protanopia

69.8241, 70.8001, 102.0811

### Deuteranopia

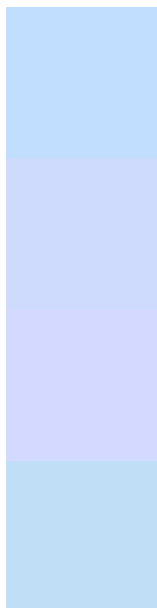
72.2208, 70.8427, 104.4753



## Tritanopia

64.1685, 70.7985, 94.2878

# Trichromacy



## Original Color

66.4194, 70.9319, 104.7983

## Protanomaly

68.5147, 70.8767, 102.9980

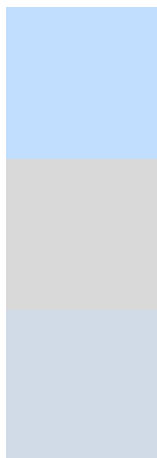
## Deuteranomaly

70.0142, 70.8428, 104.5916

## Tritanomaly

64.9144, 70.6972, 98.2203

# Monochromacy



## Original Color

66.4194, 70.9319, 104.7983

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

66.0498, 69.9879, 85.6291

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.4194, 70.9319, 104.7983 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(194, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 222, 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(194, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 222, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 66.4194, 70.9319, 104.7983 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(194, 222, 255) }
```



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

```
.border{ border-color:rgb(194, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 222,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.4194, 70.9319, 104.7983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 222, 255) }
```

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

```
.background{ background-color: rgb(194,  
222, 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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