

Converting Colors

XYZ(64.9164, 68.9613,
104.4971)

Have a look what the booklet for
XYZ(64.9164, 68.9613, 104.4971)
contains.

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Color

**XYZ(64.8674, 68.9594,
104.4994)**

Conversions

Conversions Part 1

Format	Color
Hex	BFDBFF
RGB	191, 219, 255
RGB Percent	75%, 86%, 100%
CMY	0.2510, 0.1412, 0.0000
CMYK	0.25, 0.14, 0.00, 0.00
HSL	214°, 100%, 87%
HSV	214°, 25%, 100%
XYZ	64.8674, 68.9594, 104.4994
YIQ	214.7320, -28.2440, 5.2600

Conversions

Conversions Part 2

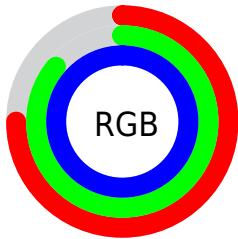
Format	Color
R _Y B	191, 210, 255
Decimal	12573695
CIE Lab	86.48, -1.52, -20.58
CIE LCh	86, 20.639, 265.763
Yxy	68.9594, 0.2722, 0.2893
Android (android.graphics.Color)	4290763775 (0xFFBFDDBF)
YUV	214.7320, 19.8521, -20.8130
Hunter-Lab	83.0418, -5.8894, -16.4810

Details

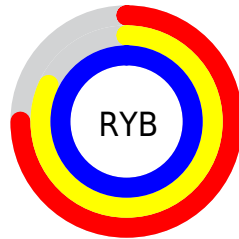
The XYZ color **64.8674, 68.9594, 104.4994** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.1131, 79.9593, 60.6087**, and the grayscale version is **64.2955, 67.6438, 73.6641**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **33.6218, 35.8624, 58.5762** is the 20% darker color. If you saturate the color by 10%, you get **55.4224, 58.7743, 103.0312**, and if you desaturate by 10%, it is **75.7551, 80.3702, 106.1280**.

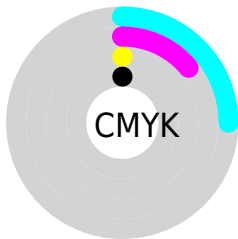
Distribution



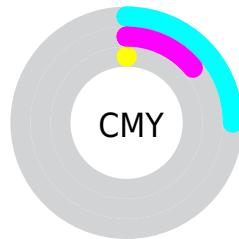
- Red (75%)
- Green (86%)
- Blue (100%)



- Red (75%)
- Yellow (82%)
- Blue (100%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8674, 68.9594, 104.4994 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 64.8674, 68.9594, 104.4994 by changing the saturation by 10% instead.

■ 64.8674, 68.9594,
104.4994

■ 64.8674, 68.9594,
104.4994

431.8681,
456.8878, 595.8933

■ 47.6179, 50.6786,
79.4257

■ 110.9260,
117.7236, 169.4324

■ 33.7344, 35.9529,
58.7225

140.4657,
148.9758, 210.1287

■ 22.8515, 24.3978,
41.9712

174.8329,
185.3206, 256.8697

■ 14.6040, 15.6290,
28.7534

214.3929,
227.1425, 310.0739

■ 8.6264, 9.2620,
18.6504

259.5111,
274.8257, 370.1598

■ 4.5535, 4.9125,
11.2437

310.5527,

■ 2.0198, 2.1960,

328.7547, 437.5460

6.1147

367.8833,
389.3140, 512.6510

■ 0.6450, 0.7178,
2.8451

■ 0.0000, 0.0000,
1.0161

■ 64.8674, 68.9594,
104.4994

■ 64.8674, 68.9594,
104.4994

■ 55.4224, 58.7743,
103.0312

■ 75.7551, 80.3702,
106.1280

■ 47.3484, 49.7609,
101.7170

■ 88.1412, 93.0420,
107.9211

■ 40.5757, 41.8726,
100.5514

95.0500, 100.0000,
108.9000

■ 35.0260, 35.0557,
99.5281

■ 30.6112, 29.2514,
98.6404

■ 27.2298, 24.3929,
97.8809

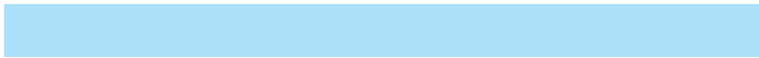
■ 24.7587, 20.4017,
97.2407

■ 23.7971, 18.7142,
96.9657

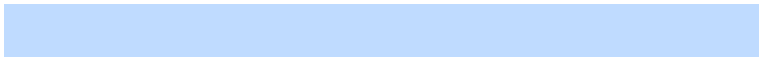
Harmonies

Analogous

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



60.5097, 68.9594, 99.0049



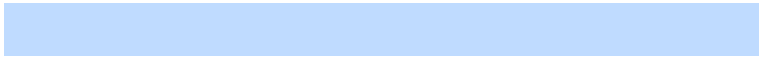
64.8674, 68.9594, 104.4994



69.6186, 68.9594, 101.3609

Triad

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



64.8674, 68.9594, 104.4994



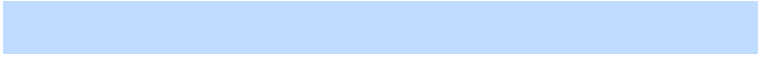
74.1707, 68.9594, 64.2198



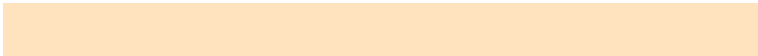
58.2383, 68.9594, 61.2335

Complementary

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



64.8674, 68.9594, 104.4994



78.1131, 79.9593, 60.6087

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.



61.6312, 68.9594, 53.7946



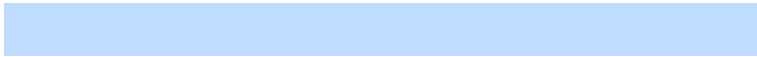
64.8674, 68.9594, 104.4994



70.8497, 68.9594, 55.3661

Square

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



64.8674, 68.9594, 104.4994



75.1393, 68.9594, 77.0459



66.2250, 68.9594, 51.7837



56.8022, 68.9594, 73.1578

Rectangle

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



64.8674, 68.9594, 104.4994



72.3488, 68.9594, 94.9768



66.2250, 68.9594, 51.7837



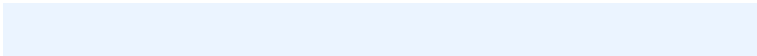
59.1796, 68.9594, 58.1848

Sweetspot

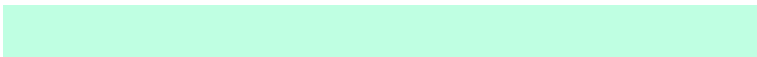
The Sweet Spot groups the original color and five complimentary colors.



64.8693, 68.9621, 104.4998



84.3872, 89.2305, 107.3833



71.0018, 88.0988, 85.3591



17.6569, 18.6854, 22.9260



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.



64.8693, 68.9621, 104.4998



60.0615, 63.8171, 103.7601



58.9818, 55.9792, 102.3041



17.6569, 18.6854, 22.9260



12.5770, 10.0636, 50.7142



1.3310, 1.1928, 4.9733

Inverse Universe

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



72.6583, 63.6377, 75.4746



69.1402, 58.0522, 69.8298



85.2369, 95.9399, 63.3178



18.3395, 18.1191, 20.4048



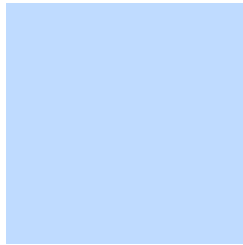
23.1365, 11.7439, 9.3692



2.3065, 1.1650, 1.1952

Previews

White Background



This preview shows how the XYZ color 64.8674, 68.9594, 104.4994 looks on a white background.

Color Contrast Check

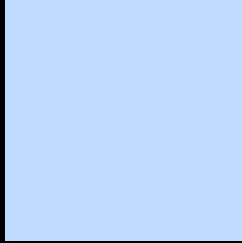
Large Text (above 18pt) WCAG AA × Fail

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 64.8674, 68.9594, 104.4994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

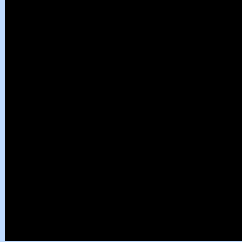
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

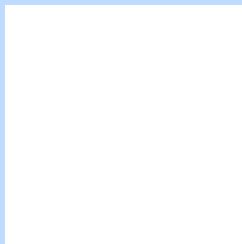
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8674, 68.9594, 104.4994

Background



This preview shows how black text looks on a background with the XYZ color 64.8674, 68.9594, 104.4994.



This preview shows how white text looks on a background with the XYZ color 64.8674, 68.9594,

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

64.8674, 68.9594, 104.4994

Protanopia

67.9117, 68.6767, 101.7721

Deuteranopia

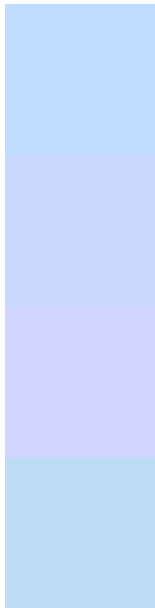
69.9595, 68.5602, 104.1539



Tritanopia

62.4403, 69.1659, 91.7208

Trichromacy



Original Color

64.8674, 68.9594, 104.4994

Protanomaly

66.6426, 68.7601, 102.6881

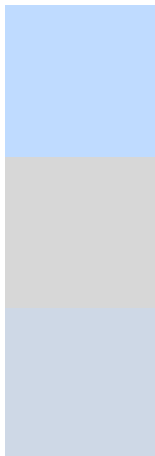
Deuteranomaly

68.1090, 68.7230, 104.2829

Tritanomaly

63.3241, 69.1243, 96.3910

Monochromacy



Original Color

64.8674, 68.9594, 104.4994

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.2924, 67.9467, 84.5894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8674, 68.9594, 104.4994 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(191, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 219, 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(191, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.8674, 68.9594, 104.4994 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(191, 219, 255) }
```


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

```
.border{ border-color:rgb(191, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8674, 68.9594, 104.4994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 219, 255) }
```

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

```
.background{ background-color: rgb(191,  
219, 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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