

Converting Colors

XYZ(64.1472, 68.9313,
100.1950)

Have a look what the booklet for
XYZ(64.1472, 68.9313, 100.1950)
contains.

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Color

**XYZ(64.3344, 69.1649,
100.4019)**

Conversions

Conversions Part 1

Format	Color
Hex	BFDCFA
RGB	191, 220, 250
RGB Percent	75%, 86%, 98%
CMY	0.2510, 0.1372, 0.0196
CMYK	0.24, 0.12, 0.00, 0.02
HSL	211°, 86%, 86%
HSV	211°, 24%, 98%
XYZ	64.3344, 69.1649, 100.4019
YIQ	214.7490, -26.9140, 3.1820

Conversions

Conversions Part 2

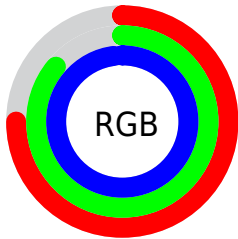
Format	Color
RYB	191, 210, 250
Decimal	12573946
CIELab	86.59, -3.17, -17.79
CIElCh	87, 18.075, 259.892
Yxy	69.1649, 0.2750, 0.2957
Android (android.graphics.Color)	4290764026 (0xFFBFDCA)
YUV	214.7490, 17.3787, -20.8279
Hunter-Lab	83.1654, -7.4570, -13.3623

Details

The XYZ color **64.3344, 69.1649, 100.4019** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.6856, 75.7989, 59.9862**, and the grayscale version is **64.3226, 67.6724, 73.6952**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **33.3973, 36.0789, 55.6558** is the 20% darker color. If you saturate the color by 10%, you get **55.3660, 59.7775, 99.0638**, and if you desaturate by 10%, it is **74.6338, 79.6185, 101.8779**.

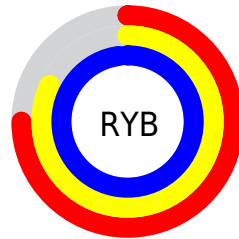
Distribution



Red (75%)

Green (86%)

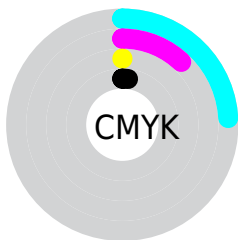
Blue (98%)



Red (75%)

Yellow (82%)

Blue (98%)

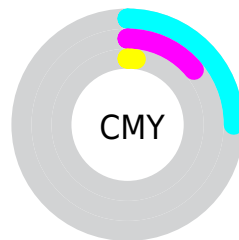


Cyan (24%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (25%)

Magenta (14%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3344, 69.1649, 100.4019 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 64.3344, 69.1649, 100.4019 by changing the saturation by 10% instead.

■ 64.3344, 69.1649,
100.4019

■ 64.3344, 69.1649,
100.4019

429.9793,
457.6124, 582.7381

■ 47.1843, 50.8460,
76.0175

■ 110.1634,
118.0171, 163.7661

■ 33.3899, 36.0861,
55.9401

139.5730,
149.3191, 203.5829

■ 22.5860, 24.5007,
39.7512

173.7998,
185.7177, 249.3809

■ 14.4071, 15.7054,
27.0323

213.2092,
227.5973, 301.5787

■ 8.4879, 9.3160,
17.3648

258.1665,
275.3421, 360.5948

■ 4.4631, 4.9478,
10.3303

309.0370,

■ 1.9673, 2.2167,

329.3366, 426.8477

5.5100

366.1862,
389.9652, 500.7559

■ 0.6155, 0.7291,
2.4856

■ 0.0000, 0.0000,
0.8325

■ 64.3344, 69.1649,
100.4019

■ 64.3344, 69.1649,
100.4019

■ 55.3660, 59.7775,
99.0638

■ 74.6338, 79.6185,
101.8779

■ 47.6622, 51.4085,
97.8544

■ 86.3139, 91.1667,
103.4914

■ 41.1600, 44.0186,
96.7708

■ 94.2555, 99.6822,
104.7165

■ 35.7880, 37.5621,
95.8077

■ 31.4665, 31.9886,
94.9596

■ 28.1038, 27.2410,
94.2205

■ 25.5892, 23.2523,
93.5831

■ 24.3250, 21.0412,
93.2230

Harmonies

Analogous

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



60.6811, 69.1649, 94.3833



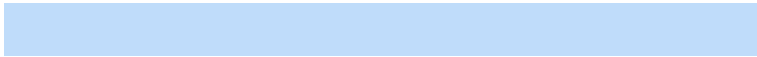
64.3344, 69.1649, 100.4019



68.5204, 69.1649, 99.1724

Triad

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



64.3344, 69.1649, 100.4019



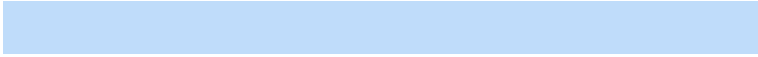
73.6150, 69.1649, 67.7232



59.7641, 69.1649, 61.3925

Complementary

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



64.3344, 69.1649, 100.4019



74.6856, 75.7989, 59.9862

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.



63.0342, 69.1649, 55.6178



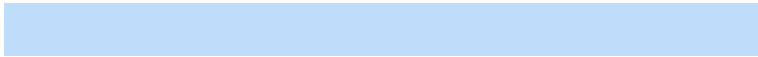
64.3344, 69.1649, 100.4019



71.0707, 69.1649, 58.9947

Square

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



64.3344, 69.1649, 100.4019



73.9994, 69.1649, 79.4341



67.1642, 69.1649, 54.7892



58.1177, 69.1649, 71.3289

Rectangle

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



64.3344, 69.1649, 100.4019



71.0462, 69.1649, 94.4485



67.1642, 69.1649, 54.7892



60.7033, 69.1649, 58.9470

Sweetspot

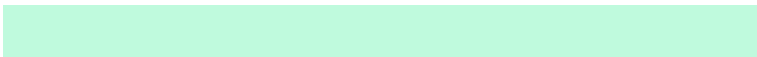
The Sweet Spot groups the original color and five complimentary colors.



64.3365, 69.1677, 100.4035



85.9579, 91.1159, 107.6644



68.6576, 84.6428, 80.7785



18.2381, 19.3444, 23.0225



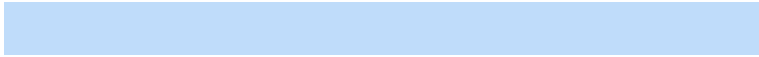
0.0000, 0.0000, 0.0000



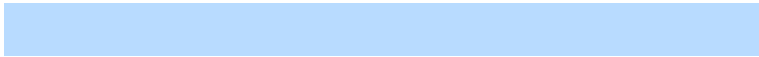
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.3365, 69.1677, 100.4035



62.9742, 67.8664, 104.3882



57.3736, 55.2419, 98.0825



16.9876, 18.0520, 21.9743



13.0459, 11.4474, 49.4955



1.3141, 1.2719, 4.6194

Inverse Universe

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



70.9752, 62.7547, 76.0853



71.0439, 60.4736, 74.7374



83.0152, 92.4581, 62.7628



17.6003, 17.3675, 19.7508



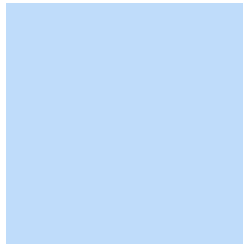
22.8770, 11.5665, 11.3266



2.1722, 1.0926, 1.3303

Previews

White Background



This preview shows how the XYZ color 64.3344, 69.1649, 100.4019 looks on a white background.

Color Contrast Check

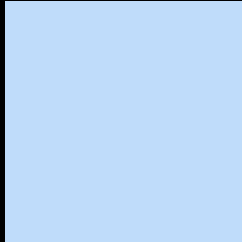
Large Text (above 18pt) WCAG AA × Fail

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 64.3344, 69.1649, 100.4019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

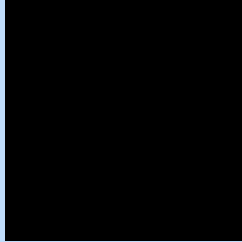
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

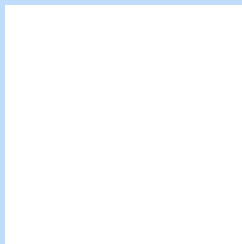
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3344, 69.1649, 100.4019

Background



This preview shows how black text looks on a background with the XYZ color 64.3344, 69.1649, 100.4019.



This preview shows how white text looks on a background with the XYZ color 64.3344, 69.1649,

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

64.3344, 69.1649, 100.4019

Protanopia

67.9529, 69.1652, 97.7644

Deuteranopia

70.3802, 68.8325, 101.6720



Tritanopia

62.6875, 69.2934, 91.7323

Trichromacy



Original Color

64.3344, 69.1649, 100.4019

Protanomaly

66.6580, 69.2404, 98.6584

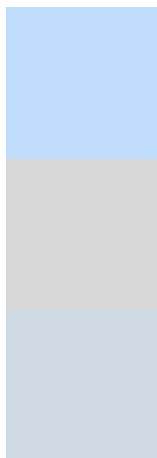
Deuteranomaly

67.7536, 68.6135, 100.9395

Tritanomaly

63.2693, 69.1311, 94.8030

Monochromacy



Original Color

64.3344, 69.1649, 100.4019

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.2700, 68.3490, 83.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3344, 69.1649, 100.4019 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, 220, 250)` looks like.

```
.text, #text, p{  
    color:rgb(191, 220, 250)  
}
```

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, 220, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 220, 250) }
```

Border

The CSS property to change the border of an element to XYZ 64.3344, 69.1649, 100.4019 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, 220, 250) }
```


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

```
.border{ border-color:rgb(191, 220, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 220, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 220, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 220, 250);  
box-shadow:4px 4px 4px 4px rgb(191, 220,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3344, 69.1649, 100.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 220, 250) }
```

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

```
.background{ background-color: rgb(191,  
220, 250) }
```

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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