

Converting Colors

XYZ(75.9835, 72.8924,
164.1735)

Have a look what the booklet for
XYZ(75.9835, 72.8924, 164.1735)
contains.

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Color

**XYZ(64.6073, 68.4392,
104.4127)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>BFDAFF</code>
RGB	<code>191, 218, 255</code>
RGB Percent	<code>75%, 85%, 100%</code>
CMY	<code>0.2510, 0.1451, 0.0000</code>
CMYK	<code>0.25, 0.15, 0.00, 0.00</code>
HSL	<code>215°, 100%, 87%</code>
HSV	<code>215°, 25%, 100%</code>
XYZ	<code>64.6073, 68.4392, 104.4127</code>
YIQ	<code>214.1450, -27.9690, 5.7830</code>

Conversions

Conversions Part 2

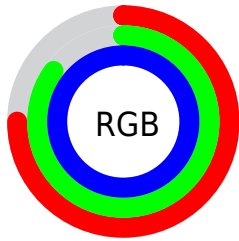
Format	Color
R _Y B	191, 210, 255
Decimal	12573439
CIE Lab	86.23, -1.00, -20.97
CIE LCh	86, 20.997, 267.269
Yxy	68.4392, 0.2721, 0.2882
Android (android.graphics.Color)	4290763519 (0xFFBFDAFF)
YUV	214.1450, 20.1415, -20.2982
Hunter-Lab	82.7280, -5.3725, -16.9215

Details

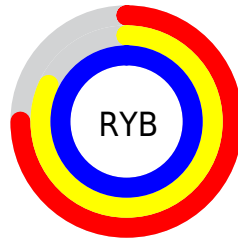
The XYZ color **64.6073, 68.4392, 104.4127** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.3874, 80.5079, 60.7002**, and the grayscale version is **63.8979, 67.2256, 73.2087**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **33.4436, 35.5058, 58.5167** is the 20% darker color. If you saturate the color by 10%, you get **55.0901, 58.1097, 102.9205**, and if you desaturate by 10%, it is **75.5847, 80.0296, 106.0712**.

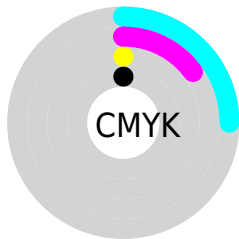
Distribution



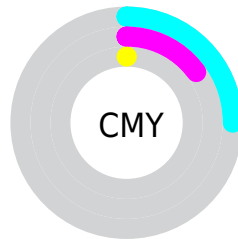
- Red (75%)
- Green (85%)
- Blue (100%)



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



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6073, 68.4392, 104.4127 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 64.6073, 68.4392, 104.4127 by changing the saturation by 10% instead.

■ 64.6073, 68.4392,
104.4127

■ 64.6073, 68.4392,
104.4127

430.9470,
455.0506, 595.6165

■ 47.4062, 50.2551,
79.3535

■ 110.5539,
116.9802, 169.3127

■ 33.5662, 35.6162,
58.6635

140.0302,
148.1060, 209.9906

■ 22.7219, 24.1379,
41.9240

174.3290,
184.3144, 256.7118

■ 14.5078, 15.4359,
28.7167

213.8155,
225.9899, 309.8949

■ 8.5588, 9.1259,
18.6229

258.8553,
273.5169, 369.9584

■ 4.5093, 4.8234,
11.2241

309.8135,

■ 1.9941, 2.1440,

327.2797, 437.3208

6.1017

367.0556,
387.6628, 512.4006

■ 0.6307, 0.6892,
2.8372

■ 0.0000, 0.0000,
1.0121

■ 64.6073, 68.4392,
104.4127

■ 64.6073, 68.4392,
104.4127

■ 55.0901, 58.1097,
102.9205

■ 75.5847, 80.0296,
106.0712

■ 46.9607, 48.9856,
101.5878

■ 88.0789, 92.9174,
107.9003

■ 40.1488, 41.0187,
100.4091

95.0500, 100.0000,
108.9000

■ 34.5751, 34.1539,
99.3778

■ 30.1507, 28.3305,
98.4870

■ 26.7733, 23.4799,
97.7287

■ 24.3185, 19.5214,
97.0940

■ 23.3692, 17.8585,
96.8231

Harmonies

Analogous

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



60.1496, 68.4392, 99.2431



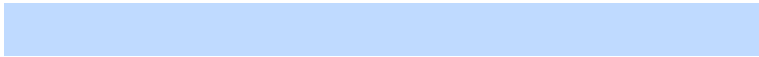
64.6073, 68.4392, 104.4127



69.4038, 68.4392, 100.7872

Triad

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



64.6073, 68.4392, 104.4127



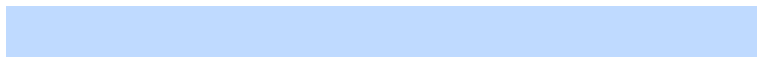
73.6705, 68.4392, 62.9702



57.5359, 68.4392, 61.0259

Complementary

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



64.6073, 68.4392, 104.4127



78.3874, 80.5079, 60.7002

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.



60.8810, 68.4392, 53.2638



64.6073, 68.4392, 104.4127



70.2083, 68.4392, 54.2848

Square

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



64.6073, 68.4392, 104.4127



74.7875, 68.4392, 75.7949



65.4935, 68.4392, 50.9560



56.1956, 68.4392, 73.2568

Rectangle

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



64.6073, 68.4392, 104.4127



72.1222, 68.4392, 94.0910



65.4935, 68.4392, 50.9560



58.4548, 68.4392, 57.8681

Sweetspot

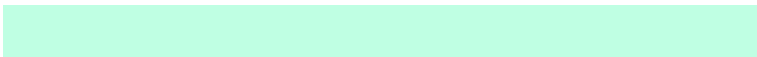
The Sweet Spot groups the original color and five complimentary colors.



64.6092, 68.4419, 104.4131



84.2916, 89.0393, 107.3514



71.1488, 88.1576, 86.1334



17.6329, 18.6374, 22.9180



0.0000, 0.0000, 0.0000



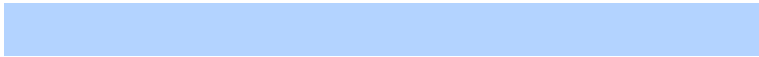
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6092, 68.4419, 104.4131



59.7638, 63.2218, 103.6609



59.2569, 56.1211, 102.3170



17.6329, 18.6374, 22.9180



12.3510, 9.6117, 50.6389



1.3079, 1.1465, 4.9656

Inverse Universe

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



72.5270, 63.5852, 74.7833



68.9899, 57.9921, 69.0386



84.8521, 95.7415, 63.2998



18.3273, 18.1143, 20.3410



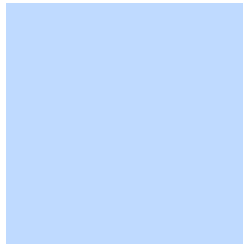
23.0224, 11.6983, 8.7686



2.2948, 1.1603, 1.1337

Previews

White Background



This preview shows how the XYZ color 64.6073, 68.4392, 104.4127 looks on a white background.

Color Contrast Check

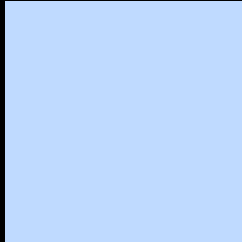
Large Text (above 18pt) WCAG AA × Fail

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 64.6073, 68.4392, 104.4127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

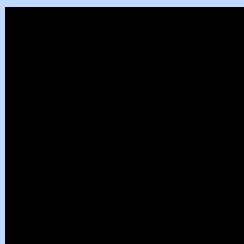
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

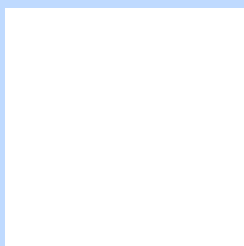
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6073, 68.4392, 104.4127

Background



This preview shows how black text looks on a background with the XYZ color 64.6073, 68.4392, 104.4127.



This preview shows how white text looks on a background with the XYZ color 64.6073, 68.4392,

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

64.6073, 68.4392, 104.4127

Protanopia

67.6297, 68.5313, 101.7589

Deuteranopia

69.6632, 68.4075, 104.1401



Tritanopia

62.0281, 68.5773, 90.8564

Trichromacy



Original Color

64.6073, 68.4392, 104.4127

Protanomaly

66.3872, 68.2493, 102.6030

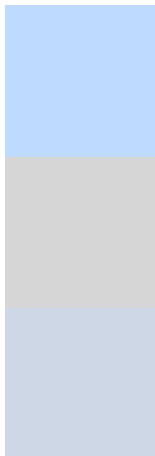
Deuteranomaly

67.8287, 68.5785, 104.2698

Tritanomaly

62.9086, 68.5369, 95.5013

Monochromacy



Original Color

64.6073, 68.4392, 104.4127

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.8969, 67.3798, 83.7666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6073, 68.4392, 104.4127 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, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 218, 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, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.6073, 68.4392, 104.4127 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, 218, 255) }
```


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

```
.border{ border-color:rgb(191, 218, 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, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6073, 68.4392, 104.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 218, 255) }
```

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

```
.background{ background-color: rgb(191,  
218, 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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