

Converting Colors

XYZ(64.2416, 68.2921,
107.1722)

Have a look what the booklet for
XYZ(64.2416, 68.2921, 107.1722)
contains.

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Color

**XYZ(63.6149, 67.9276,
104.3662)**

Conversions

Conversions Part 1

Format	Color
Hex	BBDAFF
RGB	187, 218, 255
RGB Percent	73%, 85%, 100%
CMY	0.2667, 0.1451, 0.0000
CMYK	0.27, 0.15, 0.00, 0.00
HSL	213°, 100%, 87%
HSV	213°, 27%, 100%
XYZ	63.6149, 67.9276, 104.3662
YIQ	212.9490, -30.3530, 4.9350

Conversions

Conversions Part 2

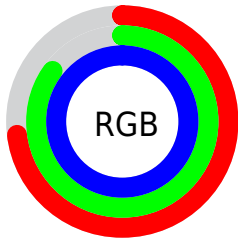
Format	Color
R _Y B	187, 208, 255
Decimal	12311295
CIE Lab	85.97, -2.16, -21.38
CIE LCh	86, 21.494, 264.226
Yxy	67.9276, 0.2697, 0.2879
Android (android.graphics.Color)	4290501375 (0xFFBBDAFF)
YUV	212.9490, 20.7311, -22.7573
Hunter-Lab	82.4182, -6.4557, -17.3862

Details

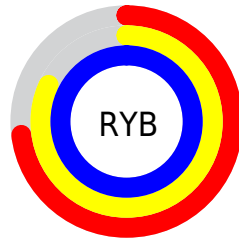
The XYZ color **63.6149, 67.9276, 104.3662** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.8653, 78.1587, 58.0504**, and the grayscale version is **63.0937, 66.3795, 72.2873**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **32.8060, 35.1771, 58.4869** is the 20% darker color. If you saturate the color by 10%, you get **54.4734, 58.0971, 102.9506**, and if you desaturate by 10%, it is **74.1690, 78.9367, 105.9349**.

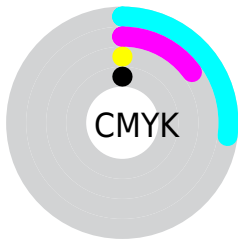
Distribution



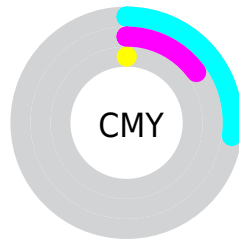
- Red (73%)
- Green (85%)
- Blue (100%)



- Red (73%)
- Yellow (82%)
- Blue (100%)



- Cyan (27%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6149, 67.9276, 104.3662 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 63.6149, 67.9276, 104.3662 by changing the saturation by 10% instead.

■ 63.6149, 67.9276,
104.3662

■ 63.6149, 67.9276,
104.3662

427.4219,
453.2395, 595.4681

■ 46.5994, 49.8388,
79.3148

■ 109.1330,
116.2486, 169.2485

■ 32.9257, 35.2854,
58.6318

138.3662,
147.2496, 209.9165

■ 22.2285, 23.8828,
41.8987

172.4027,
183.3234, 256.6271

■ 14.1424, 15.2467,
28.6970

211.6079,
224.8545, 309.7988

■ 8.3021, 8.9927,
18.6081

256.3470,
272.2273, 369.8503

■ 4.3423, 4.7364,
11.2135

306.9855,

■ 1.8976, 2.0935,

325.8261, 437.1999

6.0947

363.8887,
386.0354, 512.2663

■ 0.5754, 0.6609,
2.8330

■ 0.0000, 0.0000,
1.0100

■ 63.6149, 67.9276,
104.3662

■ 63.6149, 67.9276,
104.3662

■ 54.4734, 58.0971,
102.9506

■ 74.1690, 78.9367,
105.9349

■ 46.6729, 49.3925,
101.6815

■ 86.1914, 91.1587,
107.6603

■ 40.1436, 41.7681,
100.5540

95.0500, 100.0000,
108.9000

■ 34.8066, 35.1715,
99.5620

■ 30.5733, 29.5446,
98.6990

■ 27.3403, 24.8212,
97.9577

■ 24.9800, 20.9220,
97.3295

■ 24.3254, 19.7708,
97.1418

Harmonies

Analogous

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



59.1828, 67.9276, 98.2251



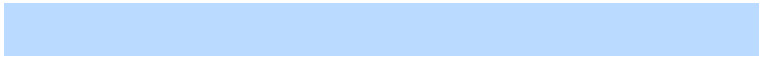
63.6149, 67.9276, 104.3662



68.5282, 67.9276, 101.5595

Triad

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



63.6149, 67.9276, 104.3662



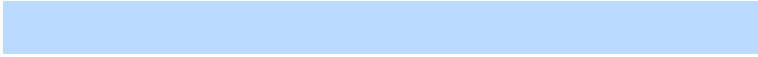
73.5917, 67.9276, 63.3798



57.1793, 67.9276, 59.2101

Complementary

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



63.6149, 67.9276, 104.3662



76.8653, 78.1587, 58.0504

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.



60.7540, 67.9276, 51.8796



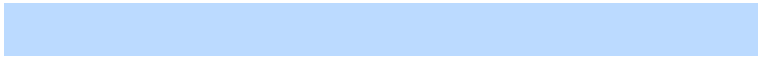
63.6149, 67.9276, 104.3662



70.2601, 67.9276, 54.0640

Square

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



63.6149, 67.9276, 104.3662



74.4528, 67.9276, 76.7244



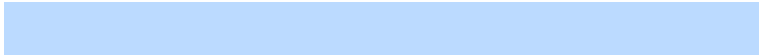
65.5208, 67.9276, 50.1225



55.5905, 67.9276, 71.2659

Rectangle

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



63.6149, 67.9276, 104.3662



71.3975, 67.9276, 95.1529



65.5208, 67.9276, 50.1225



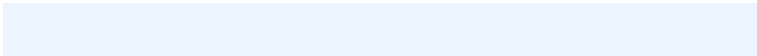
58.1795, 67.9276, 56.1762

Sweetspot

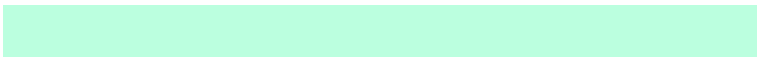
The Sweet Spot groups the original color and five complimentary colors.



63.6168, 67.9302, 104.3666



84.4999, 89.4558, 107.4208



69.6098, 87.4274, 83.2081



17.6852, 18.7421, 22.9354



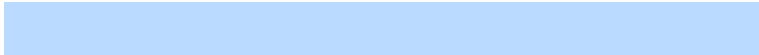
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



63.6168, 67.9302, 104.3666



58.5680, 62.5415, 103.5926



56.8742, 53.6153, 101.9589



17.6852, 18.7421, 22.9354



12.8555, 10.6206, 50.8070



1.3593, 1.2492, 4.9828

Inverse Universe

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



71.6664, 61.8642, 74.4964



67.9686, 55.9840, 68.5911



85.1410, 95.9406, 61.0464



18.3538, 18.1248, 20.4801



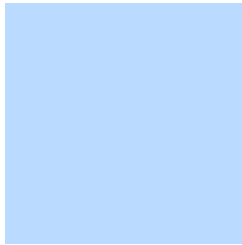
23.2771, 11.8001, 10.1094



2.3207, 1.1707, 1.2703

Previews

White Background



This preview shows how the XYZ color 63.6149, 67.9276, 104.3662 looks on a white background.

Color Contrast Check

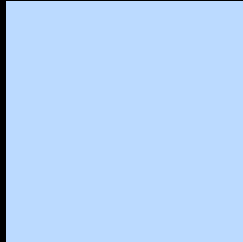
Large Text (above 18pt) WCAG AA × Fail

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 63.6149, 67.9276, 104.3662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

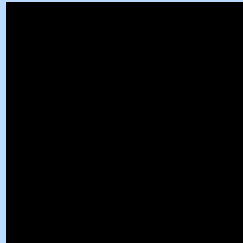
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

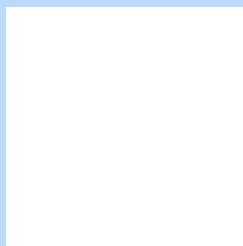
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6149, 67.9276, 104.3662

Background



This preview shows how black text looks on a background with the XYZ color 63.6149, 67.9276, 104.3662.



This preview shows how white text looks on a background with the XYZ color 63.6149, 67.9276,

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

63.6149, 67.9276, 104.3662

Protanopia

66.9390, 67.8189, 100.8291

Deuteranopia

69.1209, 67.7603, 104.0437



Tritanopia

61.0562, 68.0763, 90.8110

Trichromacy



Original Color

63.6149, 67.9276, 104.3662

Protanomaly

65.6905, 67.9085, 101.7409

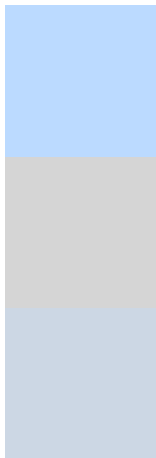
Deuteranomaly

67.0211, 67.7876, 104.1597

Tritanomaly

61.9299, 68.0323, 95.4555

Monochromacy



Original Color

63.6149, 67.9276, 104.3662

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.2059, 67.0397, 83.0074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6149, 67.9276, 104.3662 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(187, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 218, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.6149, 67.9276, 104.3662 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(187, 218, 255) }
```


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

```
.border{ border-color:rgb(187, 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(187, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 218,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6149, 67.9276, 104.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 218, 255) }
```

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

```
.background{ background-color: rgb(187,  
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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