

Converting Colors

XYZ(66.4890, 73.1226,
114.8145)

Have a look what the booklet for
XYZ(66.4890, 73.1226, 114.8145)
contains.

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Color

**XYZ(64.6158, 72.4101,
105.1787)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E4FF
RGB	180, 228, 255
RGB Percent	71%, 89%, 100%
CMY	0.2941, 0.1059, 0.0000
CMYK	0.29, 0.11, 0.00, 0.00
HSL	202°, 100%, 85%
HSV	202°, 29%, 100%
XYZ	64.6158, 72.4101, 105.1787
YIQ	216.7260, -37.2750, -1.7790

Conversions

Conversions Part 2

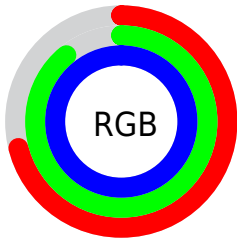
Format	Color
R _Y B	180, 209, 255
Decimal	11855103
CIE Lab	88.17, -9.34, -18.11
CIE LCh	88, 20.378, 242.709
Yxy	72.4101, 0.2668, 0.2990
Android (android.graphics.Color)	4290045183 (0xFFB4E4FF)
YUV	216.7260, 18.8691, -32.2087
Hunter-Lab	85.0941, -13.3716, -13.7182

Details

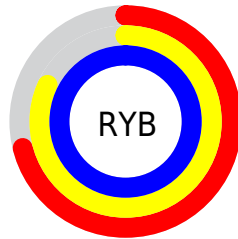
The XYZ color **64.6158, 72.4101, 105.1787** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.7912, 69.1807, 52.7513**, and the grayscale version is **65.6607, 69.0802, 75.2283**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **33.5941, 38.3243, 59.0528** is the 20% darker color. If you saturate the color by 10%, you get **56.7584, 64.7115, 104.1068**, and if you desaturate by 10%, it is **73.7032, 80.9454, 106.3472**.

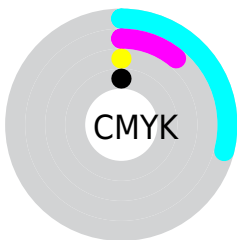
Distribution



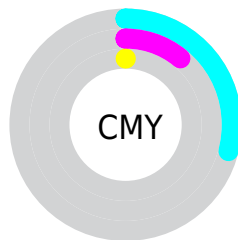
- Red (71%)
- Green (89%)
- Blue (100%)



- Red (71%)
- Yellow (82%)
- Blue (100%)



- Cyan (29%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6158, 72.4101, 105.1787 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 64.6158, 72.4101, 105.1787 by changing the saturation by 10% instead.

■ 64.6158, 72.4101,
105.1787

■ 64.6158, 72.4101,
105.1787

430.9771,
468.9678, 598.0594

■ 47.4132, 53.4937,
79.9916

■ 110.5661,
122.6394, 170.3696

■ 33.5717, 38.1971,
59.1853

140.0445,
154.7212, 211.2105

■ 22.7261, 26.1357,
42.3413

174.3455,
191.9601, 258.1063

■ 14.5110, 16.9252,
29.0411

213.8344,
234.7408, 311.4757

■ 8.5610, 10.1812,
18.8660

258.8767,
283.4475, 371.7372

■ 4.5107, 5.5192,
11.3977

309.8377,

■ 1.9949, 2.5550,

338.4646, 439.3092

6.2175

367.0827,
400.1766, 514.6105

■ 0.6311, 0.9041,
2.9068

■ 0.0000, 0.0000,
1.0473

■ 64.6158, 72.4101,
105.1787

■ 64.6158, 72.4101,
105.1787

■ 56.7584, 64.7115,
104.1068

■ 73.7032, 80.9454,
106.3472

■ 50.0632, 57.8062,
103.1268

■ 84.0722, 90.3416,
107.6143

■ 44.4641, 51.6588,
102.2354

95.0500, 100.0000,
108.9000

■ 39.8859, 46.2274,
101.4283

■ 36.2426, 41.4643,
100.7010

■ 33.4323, 37.3136,
100.0479

■ 31.2999, 33.6918,
99.4612

■ 31.1846, 33.4892,
99.4282

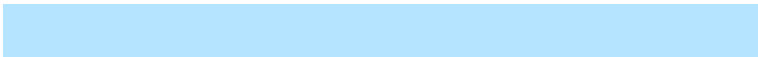
Harmonies

Analogous

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



61.2360, 72.4101, 94.2523



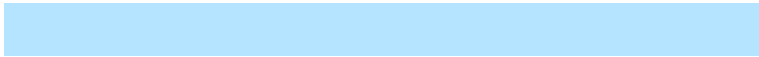
64.6158, 72.4101, 105.1787



69.2676, 72.4101, 108.8032

Triad

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



64.6158, 72.4101, 105.1787



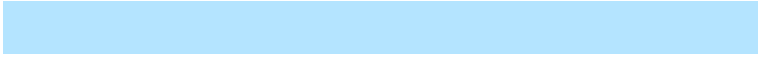
78.6149, 72.4101, 77.5804



63.8829, 72.4101, 58.3477

Complementary

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



64.6158, 72.4101, 105.1787



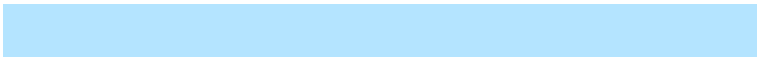
71.7912, 69.1807, 52.7513

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.



68.3816, 72.4101, 54.9581



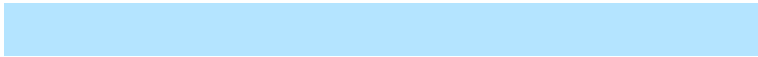
64.6158, 72.4101, 105.1787



77.0135, 72.4101, 65.2107

Square

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



64.6158, 72.4101, 105.1787



77.4920, 72.4101, 91.7988



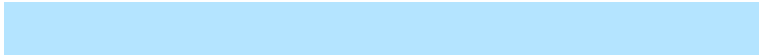
73.2103, 72.4101, 57.3159



60.8271, 72.4101, 67.1662

Rectangle

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



64.6158, 72.4101, 105.1787



72.5051, 72.4101, 106.2812



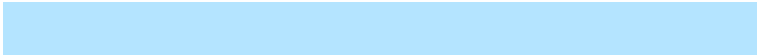
73.2103, 72.4101, 57.3159



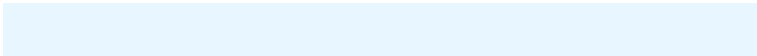
65.2689, 72.4101, 56.5860

Sweetspot

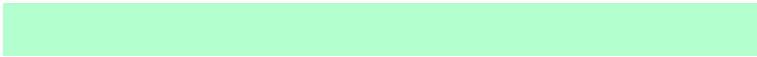
The Sweet Spot groups the original color and five complimentary colors.



64.6178, 72.4129, 105.1791



84.5259, 90.7461, 107.6685



65.7545, 85.6922, 71.6279



17.7499, 19.1179, 23.0046



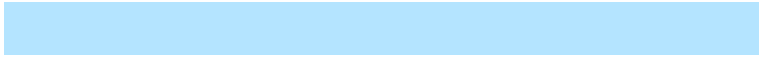
0.0000, 0.0000, 0.0000



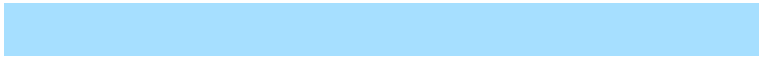
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6178, 72.4129, 105.1791



60.0774, 68.0079, 104.5682



55.5592, 54.2957, 102.1596



17.9727, 19.3170, 23.0312



16.4412, 17.7920, 52.0022



1.7044, 1.9396, 5.0978

Inverse Universe

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



71.5661, 59.5056, 81.1157



68.1331, 53.7625, 76.5089



81.7542, 89.1068, 56.0723



18.4989, 18.1829, 21.2442



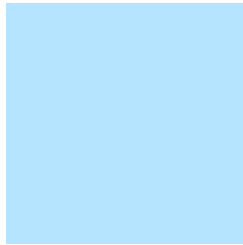
25.0870, 12.5241, 19.6403



2.4949, 1.2403, 2.1877

Previews

White Background



This preview shows how the XYZ color 64.6158, 72.4101, 105.1787 looks on a white background.

Color Contrast Check

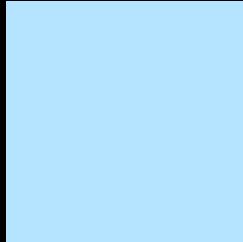
Large Text (above 18pt) WCAG AA × Fail

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 64.6158, 72.4101, 105.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

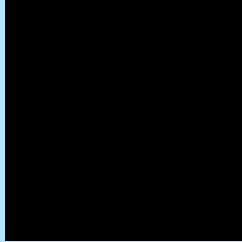
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

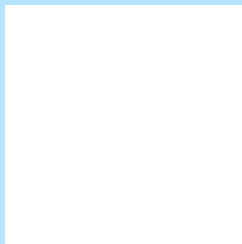
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6158, 72.4101, 105.1787

Background



This preview shows how black text looks on a background with the XYZ color 64.6158, 72.4101, 105.1787.



This preview shows how white text looks on a background with the XYZ color 64.6158, 72.4101,

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

64.6158, 72.4101, 105.1787

Protanopia

70.7493, 72.1015, 99.8106

Deuteranopia

73.3463, 72.1790, 104.6739



Tritanopia

63.3227, 72.2809, 99.4211

Trichromacy



Original Color

64.6158, 72.4101, 105.1787

Protanomaly

68.1625, 71.9041, 101.5531

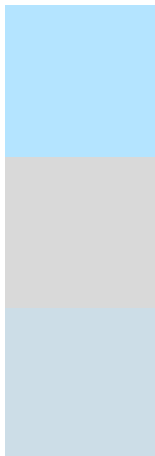
Deuteranomaly

69.6556, 71.8163, 104.7984

Tritanomaly

64.0223, 72.5874, 101.9032

Monochromacy



Original Color

64.6158, 72.4101, 105.1787

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.1821, 70.3198, 85.7389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6158, 72.4101, 105.1787 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(180, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 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(180, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.6158, 72.4101, 105.1787 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(180, 228, 255) }
```


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

```
.border{ border-color:rgb(180, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6158, 72.4101, 105.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 255) }
```

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

```
.background{ background-color: rgb(180,  
228, 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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