

Converting Colors

XYZ(64.4271, 73.4122,
105.3820)

Have a look what the booklet for
XYZ(64.4271, 73.4122, 105.3820)
contains.

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Color

**XYZ(64.5304, 73.6019,
105.4132)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E7FF
RGB	176, 231, 255
RGB Percent	69%, 91%, 100%
CMY	0.3098, 0.0941, 0.0000
CMYK	0.31, 0.09, 0.00, 0.00
HSL	198°, 100%, 85%
HSV	198°, 31%, 100%
XYZ	64.5304, 73.6019, 105.4132
YIQ	217.2910, -40.4840, -4.1960

Conversions

Conversions Part 2

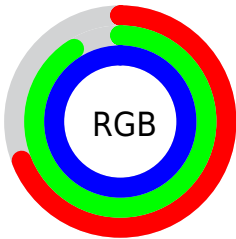
Format	Color
R _Y B	176, 208, 255
Decimal	11593727
CIE Lab	88.73, -11.99, -17.28
CIE LCh	89, 21.028, 235.246
Yxy	73.6019, 0.2650, 0.3022
Android (android.graphics.Color)	4289783807 (0xFFB0E7FF)
YUV	217.2910, 18.5905, -36.2122
Hunter-Lab	85.7915, -15.8717, -12.7963

Details

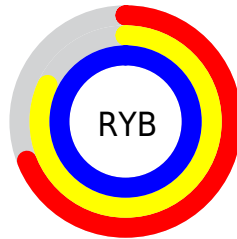
The XYZ color **64.5304, 73.6019, 105.4132** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.7310, 65.7030, 50.0829**, and the grayscale version is **66.0509, 69.4907, 75.6754**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **33.4082, 38.8021, 59.1548** is the 20% darker color. If you saturate the color by 10%, you get **57.1773, 66.6655, 104.4619**, and if you desaturate by 10%, it is **73.0664, 81.2942, 106.4481**.

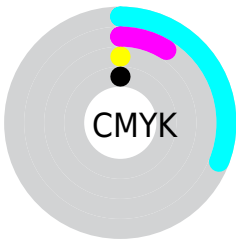
Distribution



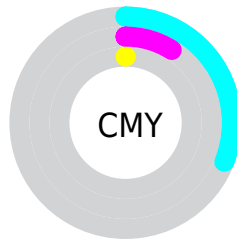
- Red (69%)
- Green (91%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5304, 73.6019, 105.4132 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 64.5304, 73.6019, 105.4132 by changing the saturation by 10% instead.

64.5304, 73.6019,
105.4132

64.5304, 73.6019,
105.4132

430.6744,
473.0983, 598.8062

47.3437, 54.4683,
80.1870

110.4439,
124.3313, 170.6930

33.5165, 38.9762,
59.3452

139.9014,
156.6959, 211.5836

22.6835, 26.7412,
42.4692

174.1799,
194.2396, 258.5329

14.4794, 17.3789,
29.1405

213.6447,
237.3467, 311.9592

8.5388, 10.5050,
18.9407

258.6612,
286.4018, 372.2811

4.4963, 5.7351,
11.4510

309.5948,

1.9865, 2.6847,

341.7891, 439.9173

6.2531

366.8107,
403.8932, 515.2861

■ 0.6264, 0.9694,
2.9283

■ 0.0000, 0.0000,
1.0582

■ 64.5304, 73.6019,
105.4132

■ 64.5304, 73.6019,
105.4132

■ 57.1773, 66.6655,
104.4619

■ 73.0664, 81.2942,
106.4481

■ 50.9391, 60.4426,
103.5896

■ 82.8365, 89.7651,
107.5682

■ 45.7498, 54.8992,
102.7931

■ 93.8961, 99.0467,
108.7768

■ 41.5334, 49.9942,
102.0686

■ 95.0500, 100.0000,
108.9000

■ 38.2029, 45.6809,
101.4115

■ 35.6541, 41.9035,
100.8168

■ 33.8794, 38.8787,
100.3265

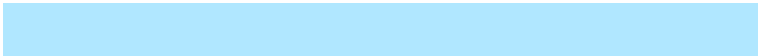
Harmonies

Analogous

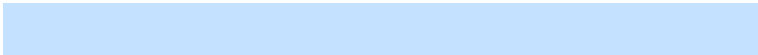
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.4817, 73.6019, 92.6836



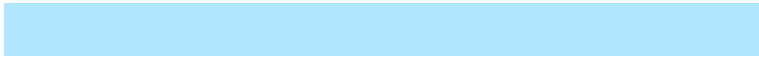
64.5304, 73.6019, 105.4132



69.1493, 73.6019, 111.4034

Triad

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



64.5304, 73.6019, 105.4132



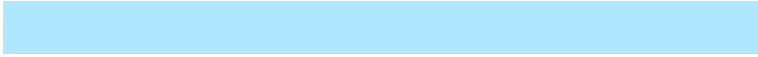
80.1576, 73.6019, 82.4828



65.8693, 73.6019, 57.3908

Complementary

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



64.5304, 73.6019, 105.4132



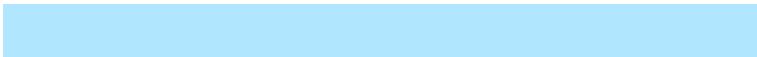
69.7310, 65.7030, 50.0829

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.



70.7697, 73.6019, 55.3521



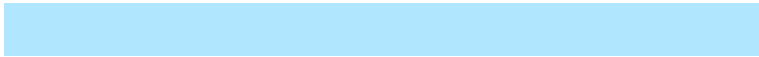
64.5304, 73.6019, 105.4132



79.1761, 73.6019, 68.7825

Square

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



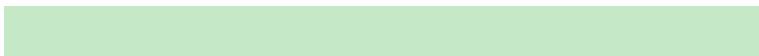
64.5304, 73.6019, 105.4132



78.2994, 73.6019, 97.1825



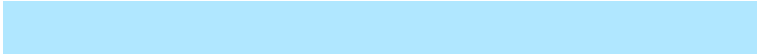
75.6783, 73.6019, 59.2682



62.2281, 73.6019, 65.2163

Rectangle

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



64.5304, 73.6019, 105.4132



72.5586, 73.6019, 110.2998



75.6783, 73.6019, 59.2682



67.4171, 73.6019, 56.0496

Sweetspot

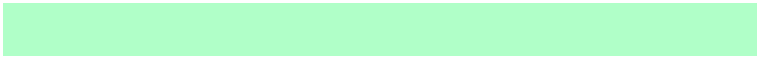
The Sweet Spot groups the original color and five complimentary colors.



64.5324, 73.6047, 105.4137



84.9212, 91.5367, 107.8003



64.0559, 84.9068, 67.4740



17.8475, 19.3132, 23.0371



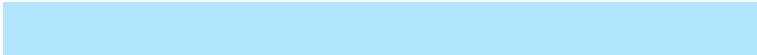
0.0000, 0.0000, 0.0000



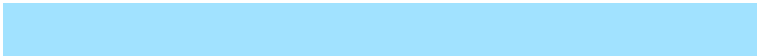
20.3446, 21.4041, 23.3091

Same Dimension

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



64.5324, 73.6047, 105.4137



59.9665, 69.3388, 104.8309



54.7617, 54.0633, 102.1568



18.0618, 19.4953, 23.0610



17.8405, 20.5905, 52.4687



1.8334, 2.1975, 5.1408

Inverse Universe

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



71.1904, 58.0819, 83.0632



67.6980, 52.1373, 78.6921



80.0021, 86.2453, 53.5066



18.5439, 18.2009, 21.4811



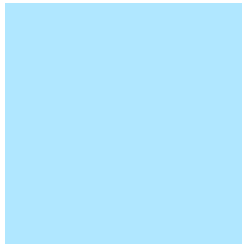
25.7932, 12.8066, 23.3594



2.5600, 1.2664, 2.5305

Previews

White Background



This preview shows how the XYZ color 64.5304, 73.6019, 105.4132 looks on a white background.

Color Contrast Check

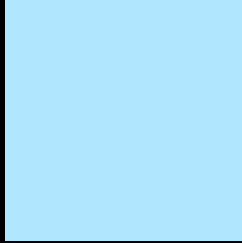
Large Text (above 18pt) WCAG AA × Fail

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 64.5304, 73.6019, 105.4132 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 64.5304, 73.6019, 105.4132

Background



This preview shows how black text looks on a background with the XYZ color 64.5304, 73.6019, 105.4132.

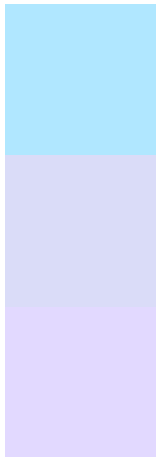


This preview shows how white text looks on a background with the XYZ color 64.5304, 73.6019,

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

64.5304, 73.6019, 105.4132

Protanopia

71.4499, 72.8691, 99.1063

Deuteranopia

74.2269, 73.0145, 104.7888



Tritanopia

63.7911, 73.7293, 101.3115

Trichromacy



Original Color

64.5304, 73.6019, 105.4132

Protanomaly

68.6968, 72.9729, 101.7312

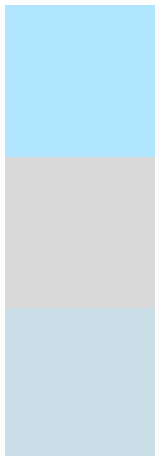
Deuteranomaly

70.1837, 72.8724, 104.9745

Tritanomaly

64.1065, 73.8555, 102.9722

Monochromacy



Original Color

64.5304, 73.6019, 105.4132

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

64.9022, 70.5686, 85.8017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5304, 73.6019, 105.4132 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(176, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 231, 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(176, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.5304, 73.6019, 105.4132 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(176, 231, 255) }
```


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

```
.border{ border-color:rgb(176, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5304, 73.6019, 105.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 231, 255) }
```

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

```
.background{ background-color: rgb(176,  
231, 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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