

Converting Colors

XYZ(68.3200, 77.2391,
119.0397)

Have a look what the booklet for
XYZ(68.3200, 77.2391, 119.0397)
contains.

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Color

**XYZ(65.9499, 76.4410,
105.8864)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B0ECFF |
| RGB | 176, 236, 255 |
| RGB Percent | 69%, 93%, 100% |
| CMY | 0.3098, 0.0745, 0.0000 |
| CMYK | 0.31, 0.07, 0.00, 0.00 |
| HSL | 194°, 100%, 85% |
| HSV | 194°, 31%, 100% |
| XYZ | 65.9499, 76.4410, 105.8864 |
| YIQ | 220.2260, -41.8590, -6.8110 |

Conversions

Conversions Part 2

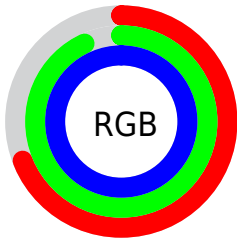
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 176, 210, 255 |
| Decimal | 11595007 |
| CIE Lab | 90.06, -14.52, -15.28 |
| CIE LCh | 90, 21.078, 226.461 |
| Yxy | 76.4410, 0.2656, 0.3079 |
| Android (android.graphics.Color) | 4289785087 (0xFFB0ECFF) |
| YUV | 220.2260, 17.1436, -38.7862 |
| Hunter-Lab | 87.4305, -18.3588, -10.6042 |

Details

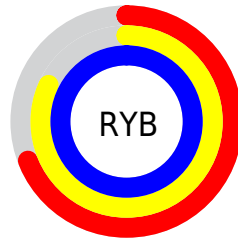
The XYZ color **65.9499, 76.4410, 105.8864** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.5917, 63.4244, 49.7030**, and the grayscale version is **68.0920, 71.6381, 78.0139**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **34.3995, 40.7847, 59.4853** is the 20% darker color. If you saturate the color by 10%, you get **58.9819, 70.2747, 105.0634**, and if you desaturate by 10%, it is **74.0656, 83.2927, 106.7812**.

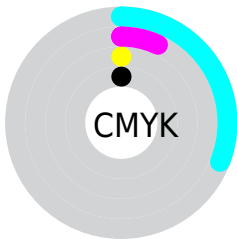
Distribution



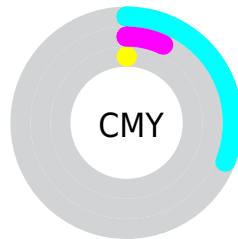
- Red (69%)
- Green (93%)
- Blue (100%)



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



- Cyan (31%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9499, 76.4410, 105.8864 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 65.9499, 76.4410, 105.8864 by changing the saturation by 10% instead.

65.9499, 76.4410,
105.8864

65.9499, 76.4410,
105.8864

435.6891,
482.8560, 600.3118

48.4993, 56.7942,
80.5814

112.4726,
128.3501, 171.3454

34.4353, 40.8400,
59.6679

142.2753,
161.3812, 212.3364

23.3927, 28.1941,
42.7275

176.9261,
199.6425, 259.3931

15.0060, 18.4720,
29.3415

216.7904,
243.5184, 312.9341

8.9100, 11.2894,
19.0915

262.2335,
293.3933, 373.3780

4.7391, 6.2618,
11.5589

313.6208,

2.1282, 3.0049,

349.6516, 441.1432

6.3252

371.3175,
412.6777, 516.6482

■ 0.7045, 1.1343,
2.9719

■ 0.0000, 0.0071,
1.0803

■ 65.9499, 76.4410,
105.8864

■ 65.9499, 76.4410,
105.8864

■ 58.9819, 70.2747,
105.0634

■ 74.0656, 83.2927,
106.7812

■ 53.0940, 64.7524,
104.3079

■ 83.3794, 90.8511,
107.7492

■ 48.2209, 59.8414,
103.6168

■ 93.9462, 99.1471,
108.7935

■ 44.2874, 55.5021,
102.9865

■ 95.0500, 100.0000,
108.9000

■ 41.2069, 51.6889,
102.4129

■ 38.8761, 48.3476,
101.8908

■ 37.2712, 45.6624,
101.4571

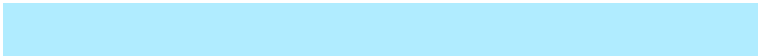
Harmonies

Analogous

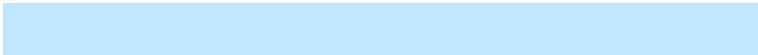
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.4372, 76.4410, 91.6559



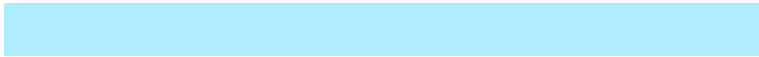
65.9499, 76.4410, 105.8864



70.3276, 76.4410, 114.4649

Triad

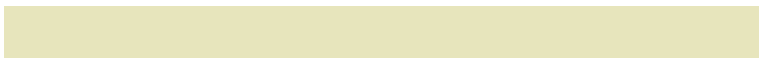
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.9499, 76.4410, 105.8864



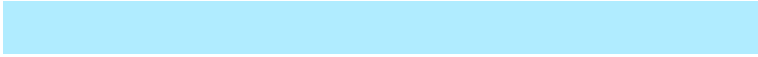
82.8695, 76.4410, 90.1525



69.8443, 76.4410, 58.5688

Complementary

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



65.9499, 76.4410, 105.8864



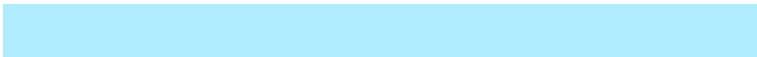
68.5917, 63.4244, 49.7030

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.



75.0330, 76.4410, 58.2687



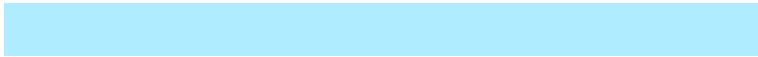
65.9499, 76.4410, 105.8864



82.7248, 76.4410, 75.3393

Square

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



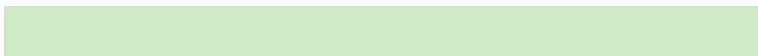
65.9499, 76.4410, 105.8864



80.1859, 76.4410, 104.6726



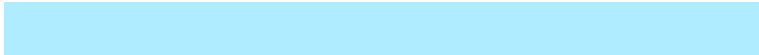
79.7996, 76.4410, 64.0626



65.6108, 76.4410, 64.9382

Rectangle

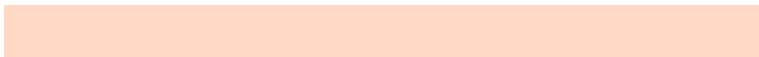
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



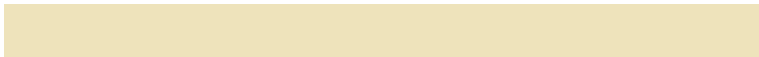
65.9499, 76.4410, 105.8864



73.7916, 76.4410, 115.2296



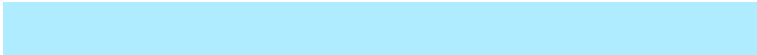
79.7996, 76.4410, 64.0626



71.5299, 76.4410, 57.7836

Sweetspot

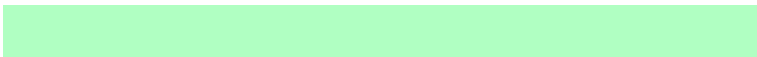
The Sweet Spot groups the original color and five complimentary colors.



65.9520, 76.4439, 105.8869



85.3696, 92.4335, 107.9497



63.4519, 84.6652, 64.2937



17.9584, 19.5350, 23.0741



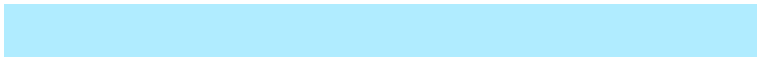
0.0000, 0.0000, 0.0000



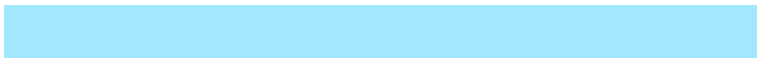
20.3446, 21.4041, 23.3091

Same Dimension

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



65.9520, 76.4439, 105.8869



61.6222, 72.6501, 105.3828



55.9372, 56.4144, 102.5486



18.1630, 19.6976, 23.0947



19.5970, 24.1035, 53.0542



1.9926, 2.5158, 5.1939

Inverse Universe

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



71.9069, 58.3684, 86.8366



68.5337, 52.4716, 83.0928



78.4809, 83.2029, 52.9994



18.5949, 18.2213, 21.7500



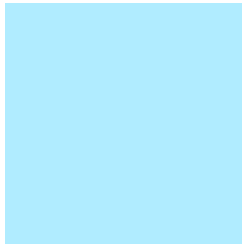
26.6798, 13.1612, 28.0283



2.6404, 1.2985, 2.9535

Previews

White Background



This preview shows how the XYZ color 65.9499, 76.4410, 105.8864 looks on a white background.

Color Contrast Check

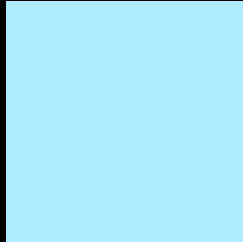
Large Text (above 18pt) WCAG AA × Fail

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 65.9499, 76.4410, 105.8864 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 65.9499, 76.4410, 105.8864

Background



This preview shows how black text looks on a background with the XYZ color 65.9499, 76.4410, 105.8864.

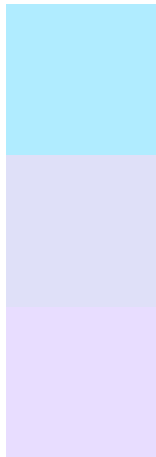


This preview shows how white text looks on a background with the XYZ color 65.9499, 76.4410,

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

65.9499, 76.4410, 105.8864

Protanopia

74.0304, 75.7766, 99.5315

Deuteranopia

77.1852, 76.0887, 105.2262



Tritanopia

65.9499, 76.4410, 105.8864

Trichromacy



Original Color

65.9499, 76.4410, 105.8864

Protanomaly

70.6096, 75.5737, 102.1324

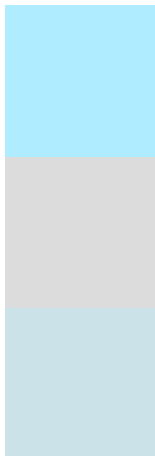
Deuteranomaly

72.3977, 75.6098, 105.3861

Tritanomaly

65.9499, 76.4410, 105.8864

Monochromacy



Original Color

65.9499, 76.4410, 105.8864

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.8062, 73.1133, 87.6820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9499, 76.4410, 105.8864 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, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 236, 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, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.9499, 76.4410, 105.8864 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, 236, 255) }
```


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

```
.border{ border-color:rgb(176, 236, 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, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9499, 76.4410, 105.8864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 236, 255) }
```

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

```
.background{ background-color: rgb(176,  
236, 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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