

Converting Colors

XYZ(68.0499, 76.4266,
119.4827)

Have a look what the booklet for
XYZ(68.0499, 76.4266, 119.4827)
contains.

XYZ(65.3773, 75.2957, 105.6955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.3773, 75.2957,
105.6955)**

Conversions

Conversions Part 1

Format	Color
Hex	B0EAFB
RGB	176, 234, 255
RGB Percent	69%, 92%, 100%
CMY	0.3098, 0.0823, 0.0000
CMYK	0.31, 0.08, 0.00, 0.00
HSL	196°, 100%, 85%
HSV	196°, 31%, 100%
XYZ	65.3773, 75.2957, 105.6955
YIQ	219.0520, -41.3090, -5.7650

Conversions

Conversions Part 2

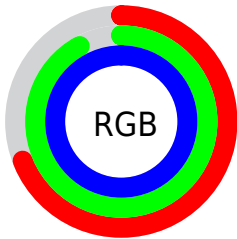
Format	Color
R _Y B	176, 209, 255
Decimal	11594495
CIE Lab	89.53, -13.51, -16.08
CIE LCh	90, 21.001, 229.962
Yxy	75.2957, 0.2654, 0.3056
Android (android.graphics.Color)	4289784575 (0xFFB0E AFF)
YUV	219.0520, 17.7224, -37.7566
Hunter-Lab	86.7731, -17.3660, -11.4781

Details

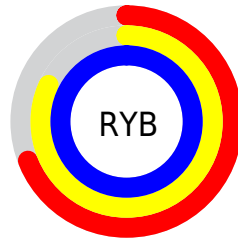
The XYZ color **65.3773, 75.2957, 105.6955** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.0429, 64.3269, 49.8536**, and the grayscale version is **67.2712, 70.7746, 77.0735**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **33.9986, 39.9830, 59.3516** is the 20% darker color. If you saturate the color by 10%, you get **58.2517, 68.8143, 104.8200**, and if you desaturate by 10%, it is **73.6637, 82.4888, 106.6472**.

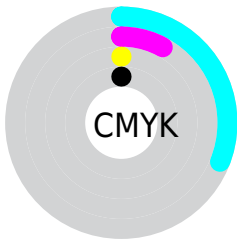
Distribution



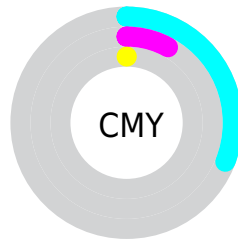
- Red (69%)
- Green (92%)
- Blue (100%)



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



- Cyan (31%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3773, 75.2957, 105.6955 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 65.3773, 75.2957, 105.6955 by changing the saturation by 10% instead.

■ 65.3773, 75.2957,
105.6955

■ 65.3773, 75.2957,
105.6955

433.6704,
478.9333, 599.7046

■ 48.0329, 55.8552,
80.4222

■ 111.6548,
126.7308, 171.0822

■ 34.0643, 40.0868,
59.5377

141.3187,
159.4943, 212.0328

■ 23.1061, 27.6062,
42.6232

175.8197,
197.4674, 259.0461

■ 14.7930, 18.0290,
29.2604

215.5233,
241.0347, 312.5409

■ 8.7596, 10.9708,
19.0306

260.7948,
290.5806, 372.9356

■ 4.6406, 6.0472,
11.5154

311.9996,

■ 2.0705, 2.8738,

346.4894, 440.6488

6.2961

369.5030,
409.1455, 516.0989

■ 0.6731, 1.0662,
2.9543

■ 0.0000, 0.0000,
1.0713

■ 65.3773, 75.2957,
105.6955

■ 65.3773, 75.2957,
105.6955

■ 58.2517, 68.8143,
104.8200

■ 73.6637, 82.4888,
106.6472

■ 52.2193, 63.0029,
104.0163

■ 83.1617, 90.4155,
107.6766

■ 47.2144, 57.8284,
103.2813

■ 93.9262, 99.1070,
108.7869

■ 43.1616, 53.2506,
102.6113

■ 95.0500, 100.0000,
108.9000

■ 39.9742, 49.2236,
102.0020

■ 37.5486, 45.6925,
101.4483

■ 35.8683, 42.8566,
100.9894

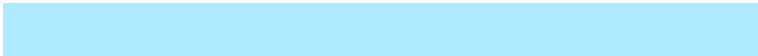
Harmonies

Analogous

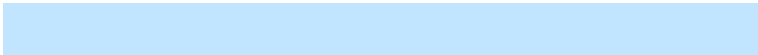
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6481, 75.2957, 92.0625



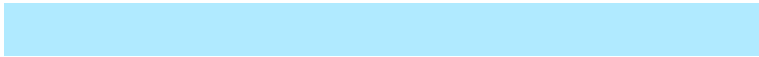
65.3773, 75.2957, 105.6955



69.8524, 75.2957, 113.2348

Triad

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



65.3773, 75.2957, 105.6955



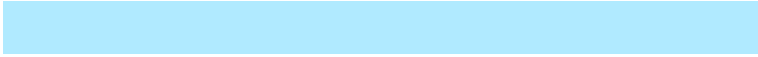
81.7772, 75.2957, 87.0326



68.2354, 75.2957, 58.0919

Complementary

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



65.3773, 75.2957, 105.6955



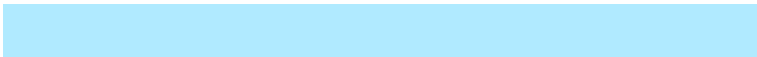
69.0429, 64.3269, 49.8536

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.



73.3080, 75.2957, 57.0876



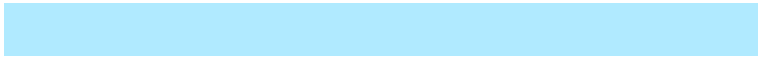
65.3773, 75.2957, 105.6955



81.2931, 75.2957, 72.6697

Square

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



65.3773, 75.2957, 105.6955



79.4266, 75.2957, 101.6356



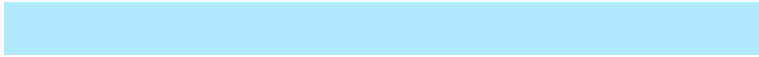
78.1341, 75.2957, 62.1141



64.2425, 75.2957, 65.0447

Rectangle

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



65.3773, 75.2957, 105.6955



73.2948, 75.2957, 113.2429



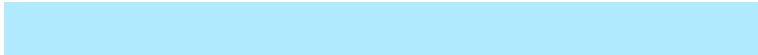
78.1341, 75.2957, 62.1141



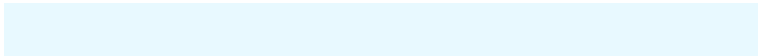
69.8652, 75.2957, 57.0824

Sweetspot

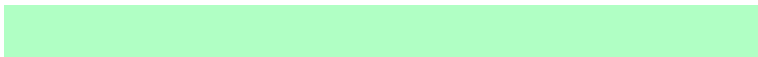
The Sweet Spot groups the original color and five complimentary colors.



65.3793, 75.2986, 105.6960



85.1898, 92.0739, 107.8898



63.6010, 84.7248, 65.0785



17.9139, 19.4460, 23.0592



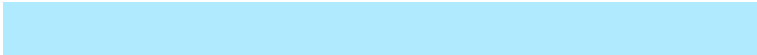
0.0000, 0.0000, 0.0000



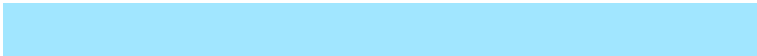
20.3446, 21.4041, 23.3091

Same Dimension

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



65.3793, 75.2986, 105.6960



60.9530, 71.3118, 105.1597



55.6395, 55.8189, 102.4494



18.1224, 19.6165, 23.0812



18.8710, 22.6516, 52.8122



1.9271, 2.3849, 5.1720

Inverse Universe

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



71.6179, 58.2528, 85.3144



68.1960, 52.3365, 81.3143



78.8571, 83.9552, 53.1249



18.5745, 18.2131, 21.6422



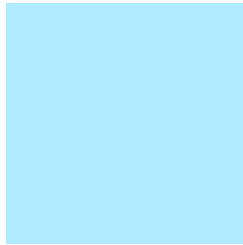
26.3134, 13.0147, 26.0986



2.6073, 1.2853, 2.7796

Previews

White Background



This preview shows how the XYZ color 65.3773, 75.2957, 105.6955 looks on a white background.

Color Contrast Check

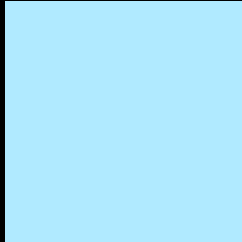
Large Text (above 18pt) WCAG AA × Fail

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 65.3773, 75.2957, 105.6955 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

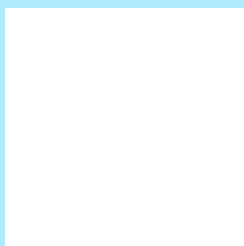
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.3773, 75.2957, 105.6955

Background



This preview shows how black text looks on a background with the XYZ color 65.3773, 75.2957, 105.6955.

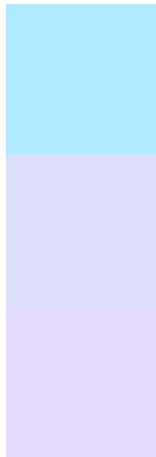


This preview shows how white text looks on a background with the XYZ color 65.3773, 75.2957,

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

65.3773, 75.2957, 105.6955

Protanopia

73.1497, 74.9248, 99.4135

Deuteranopia

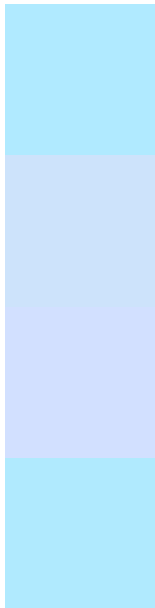
75.6946, 74.5410, 105.0061



Tritanopia

65.0569, 75.1676, 104.0084

Trichromacy



Original Color

65.3773, 75.2957, 105.6955

Protanomaly

70.0585, 74.8823, 102.0280

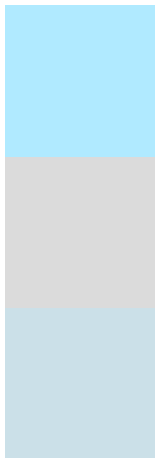
Deuteranomaly

71.2840, 74.2329, 105.1791

Tritanomaly

65.2167, 75.2315, 104.8498

Monochromacy



Original Color

65.3773, 75.2957, 105.6955

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.8497, 71.8340, 86.7386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3773, 75.2957, 105.6955 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, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 234, 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, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.3773, 75.2957, 105.6955 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, 234, 255) }
```


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

```
.border{ border-color:rgb(176, 234, 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, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3773, 75.2957, 105.6955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 234, 255) }
```

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

```
.background{ background-color: rgb(176,  
234, 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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