

# Converting Colors

XYZ(65.5320, 75.0094,  
103.1198)

Have a look what the booklet for  
XYZ(65.5320, 75.0094, 103.1198)  
contains.

<b>XYZ(65.5320, 75.0094, 103.1198)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(65.5320, 75.0094,  
103.1198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4E9FC
RGB	180, 233, 252
RGB Percent	71%, 91%, 99%
CMY	0.2941, 0.0863, 0.0118
CMYK	0.29, 0.08, 0.00, 0.01
HSL	196°, 92%, 85%
HSV	196°, 29%, 99%
XYZ	65.5320, 75.0094, 103.1198
YIQ	219.3190, -37.6870, -5.3270

# Conversions

## Conversions Part 2

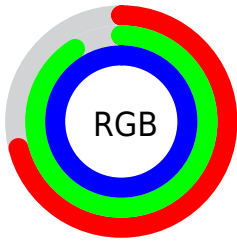
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	180, 211, 252
Decimal	11856380
CIE <sub>Lab</sub>	89.40, -12.58, -14.69
CIE <sub>LCh</sub>	89, 19.342, 229.409
Y <sub>xy</sub>	75.0094, 0.2689, 0.3078
Android (android.graphics.Color)	4290046460 (0xFFB4E9FC)
YUV	219.3190, 16.1117, -34.4828
Hunter-Lab	86.6080, -16.5017, -9.9681

# Details

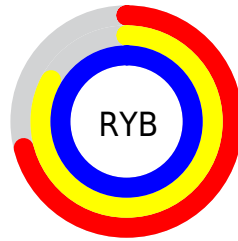
The XYZ color **65.5320, 75.0094, 103.1198** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.8075, 64.8382, 52.0703**, and the grayscale version is **67.4656, 70.9790, 77.2962**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **34.0299, 39.7444, 57.5076** is the 20% darker color. If you saturate the color by 10%, you get **58.3438, 68.5636, 102.2558**, and if you desaturate by 10%, it is **73.8622, 82.1529, 104.0608**.

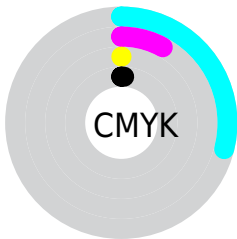
# Distribution



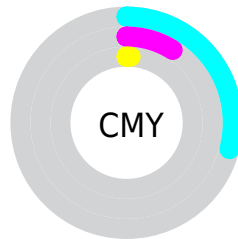
- Red (71%)
- Green (91%)
- Blue (99%)



- Red (71%)
- Yellow (83%)
- Blue (99%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (29%)
- Magenta (9%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5320, 75.0094, 103.1198 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 65.5320, 75.0094, 103.1198 by changing the saturation by 10% instead.



65.5320, 75.0094,  
103.1198

65.5320, 75.0094,  
103.1198

434.2163,  
477.9499, 591.4813

48.1589, 55.6206,  
78.2772

111.8758,  
126.3257, 167.5271

34.1645, 39.8988,  
57.7839

141.5772,  
159.0219, 207.9288

23.1835, 27.4597,  
41.2214

176.1188,  
196.9228, 254.3541

14.8505, 17.9187,  
28.1711

215.8659,  
240.4126, 307.2213

8.8002, 10.8917,  
18.2145

261.1838,  
289.8759, 366.9491

4.6671, 5.9940,  
10.9331

312.4380,

2.0860, 2.8415,

345.6969, 433.9560

5.9083

369.9937,  
408.2601, 508.6606

■ 0.6816, 1.0495,  
2.7215

■ 0.0000, 0.0000,  
0.9542

■ 65.5320, 75.0094,  
103.1198

■ 65.5320, 75.0094,  
103.1198

■ 58.3438, 68.5636,  
102.2558

■ 73.8622, 82.1529,  
104.0608

■ 52.2322, 62.7751,  
101.4606

■ 83.3817, 90.0141,  
105.0765

■ 47.1353, 57.6127,  
100.7328

■ 93.9211, 98.5086,  
106.1606

■ 42.9818, 53.0385,  
100.0688

■ 94.5709, 99.8084,  
106.3772

■ 39.6908, 49.0095,  
99.4646

■ 37.1662, 45.4750,  
98.9154

■ 35.2720, 42.3636,  
98.4147

■ 35.0267, 41.9399,  
98.3458

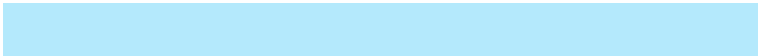
# Harmonies

## Analogous

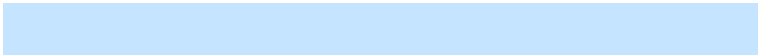
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.0460, 75.0094, 90.6489



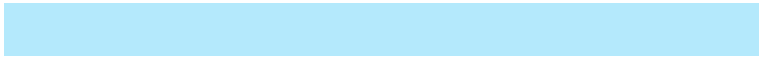
65.5320, 75.0094, 103.1198



69.6336, 75.0094, 110.0824

# Triad

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



65.5320, 75.0094, 103.1198



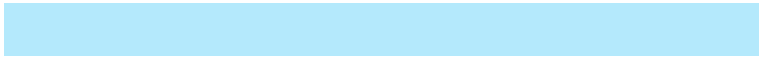
80.6248, 75.0094, 86.5599



68.3108, 75.0094, 59.4624

# Complementary

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



65.5320, 75.0094, 103.1198



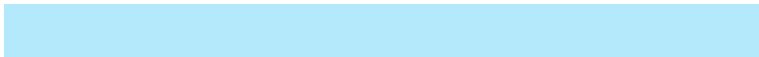
68.8075, 64.8382, 52.0703

# 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.



72.9809, 75.0094, 58.6264



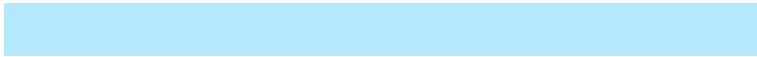
65.5320, 75.0094, 103.1198



80.2321, 75.0094, 73.3091

# Square

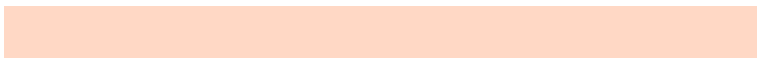
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



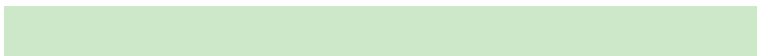
65.5320, 75.0094, 103.1198



78.4350, 75.0094, 99.8429



77.3846, 75.0094, 63.4264

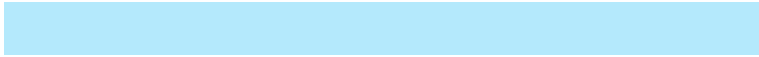


64.6005, 75.0094, 65.8523



# Rectangle

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



65.5320, 75.0094, 103.1198



72.7933, 75.0094, 110.1964



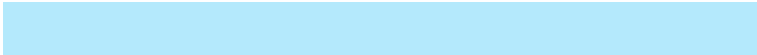
77.3846, 75.0094, 63.4264



69.8158, 75.0094, 58.5516

# Sweetspot

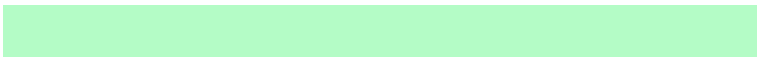
The Sweet Spot groups the original color and five complimentary colors.



65.5343, 75.0124, 103.1215



85.2035, 92.1012, 107.8944



63.8274, 83.4028, 66.1621



17.9173, 19.4528, 23.0604



0.0000, 0.0000, 0.0000

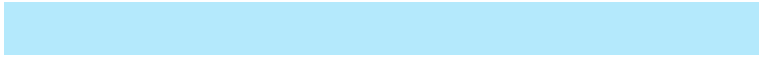


20.3446, 21.4041, 23.3091

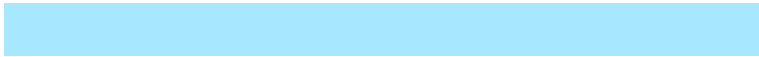


# Same Dimension

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



65.5343, 75.0124, 103.1215



63.1539, 73.3607, 105.4392



56.5889, 57.1216, 100.1397



17.3556, 18.7881, 22.0970



18.3724, 22.1004, 51.2710



1.7881, 2.2198, 4.7774



# Inverse Universe

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



71.1760, 59.2231, 84.7739



69.8812, 55.2094, 83.4095



77.8074, 82.8379, 55.0703



17.7860, 17.4418, 20.7290



25.5656, 12.6420, 25.4845

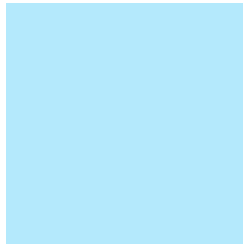


2.4115, 1.1883, 2.5902



# Previews

## White Background



This preview shows how the XYZ color 65.5320, 75.0094, 103.1198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

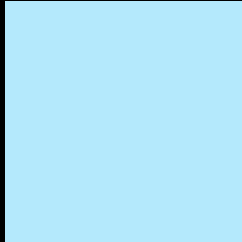
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.5320, 75.0094, 103.1198 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

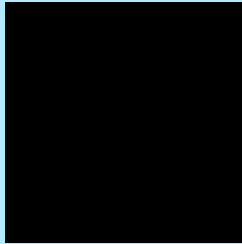
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.5320, 75.0094, 103.1198

## Background



This preview shows how black text looks on a background with the XYZ color 65.5320, 75.0094, 103.1198.



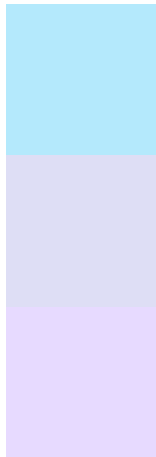
This preview shows how white text looks on a background with the XYZ color 65.5320, 75.0094,



# 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

65.5320, 75.0094, 103.1198

### Protanopia

72.7269, 74.3647, 96.9069

### Deuteranopia

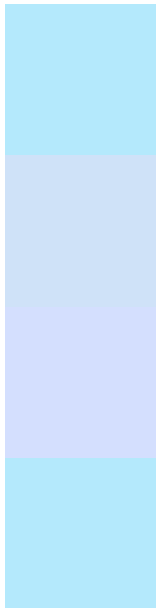
76.0764, 74.3517, 104.9494



## Tritanopia

65.5320, 75.0094, 103.1198

# Trichromacy



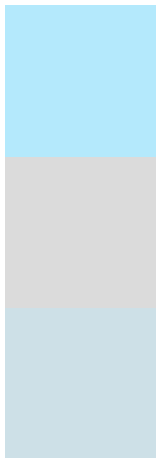
**Original Color**  
65.5320, 75.0094, 103.1198

**Protanomaly**  
69.8718, 74.4354, 99.4918

**Deuteranomaly**  
71.4284, 73.9282, 104.2708

**Tritanomaly**  
65.5320, 75.0094, 103.1198

# Monochromacy



**Original Color**  
65.5320, 75.0094, 103.1198

**Achromatopsia**  
67.3311, 70.8376, 77.1421

**Achromatomaly**  
66.2563, 72.0600, 86.0182

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.5320, 75.0094, 103.1198 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, 233, 252)` looks like.

```
.text, #text, p{  
    color:rgb(180, 233, 252)  
}
```

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, 233, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 233, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 65.5320, 75.0094, 103.1198 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, 233, 252) }
```



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

```
.border{ border-color:rgb(180, 233, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 233, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 233, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 233, 252); box-shadow:4px 4px 4px 4px rgb(180, 233, 252) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.5320, 75.0094, 103.1198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 233, 252) }
```

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

```
.background{ background-color: rgb(180,  
233, 252) }
```

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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