

# Converting Colors

XYZ(67.9132, 75.8179,  
103.1504)

Have a look what the booklet for  
XYZ(67.9132, 75.8179, 103.1504)  
contains.

<b>XYZ(67.9132, 75.8179, 103.1504)</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(67.9132, 75.8179,  
103.1504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFE8FC
RGB	191, 232, 252
RGB Percent	75%, 91%, 99%
CMY	0.2510, 0.0902, 0.0118
CMYK	0.24, 0.08, 0.00, 0.01
HSL	200°, 91%, 87%
HSV	200°, 24%, 99%
XYZ	67.9132, 75.8179, 103.1504
YIQ	222.0210, -30.8560, -2.4720

# Conversions

## Conversions Part 2

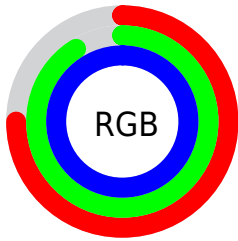
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 216, 252
Decimal	12577020
CIE <sub>Lab</sub>	89.77, -8.92, -14.06
CIE <sub>LCh</sub>	90, 16.650, 237.588
Yxy	75.8179, 0.2751, 0.3071
Android (android.graphics.Color)	4290767100 (0xFFBFE8FC)
YUV	222.0210, 14.7796, -27.2054
Hunter-Lab	87.0735, -13.1570, -9.2857

# Details

The XYZ color **67.9132, 75.8179, 103.1504** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8440, 71.0460, 59.1660**, and the grayscale version is **69.3624, 72.9747, 79.4694**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **35.5290, 40.2250, 57.5214** is the 20% darker color. If you saturate the color by 10%, you get **59.8423, 68.2875, 102.1235**, and if you desaturate by 10%, it is **77.1884, 84.1351, 104.2682**.

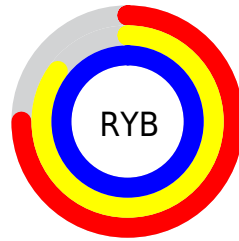
# Distribution



Red (75%)

Green (91%)

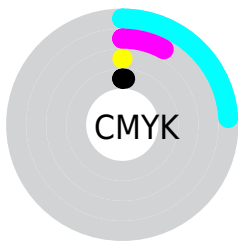
Blue (99%)



Red (75%)

Yellow (85%)

Blue (99%)

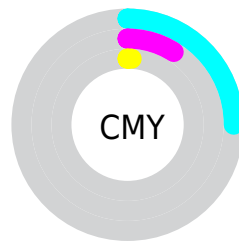


Cyan (24%)

Magenta (8%)

Yellow (0%)

Black (1%)



Cyan (25%)

Magenta (9%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9132, 75.8179, 103.1504 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 67.9132, 75.8179, 103.1504 by changing the saturation by 10% instead.



67.9132, 75.8179,  
103.1504

67.9132, 75.8179,  
103.1504

442.5700,  
480.7241, 591.5793

50.1005, 56.2832,  
78.3027

115.2706,  
127.4695, 167.5694

35.7114, 40.4300,  
57.8047

145.5460,  
160.3551, 207.9777

24.3805, 27.8740,  
41.2380

180.7063,  
198.4599, 254.4100

15.7424, 18.2307,  
28.1840

221.1170,  
242.1681, 307.2847

9.4317, 11.1157,  
18.2242

267.1433,  
291.8643, 367.0205

5.0832, 6.1447,  
10.9399

319.1507,

2.3314, 2.9333,

347.9328, 434.0358

5.9128

377.5045,  
410.7579, 508.7492

■ 0.8107, 1.0970,  
2.7242

■ 0.0000, 0.0000,  
0.9556

■ 67.9132, 75.8179,  
103.1504

■ 67.9132, 75.8179,  
103.1504

■ 59.8423, 68.2875,  
102.1235

■ 77.1884, 84.1351,  
104.2682

■ 52.9114, 61.5031,  
101.1793

■ 87.7142, 93.2597,  
105.4746

■ 47.0606, 55.4333,  
100.3161

■ 94.5709, 99.8084,  
106.3773

■ 42.2212, 50.0404,  
99.5302

■ 38.3161, 45.2824,  
98.8176

■ 35.2559, 41.1107,  
98.1737

■ 32.9315, 37.4666,  
97.5929

■ 31.8313, 35.5491,  
97.2807

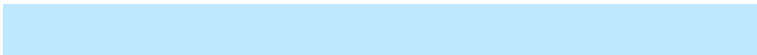
# Harmonies

## Analogous

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



65.2893, 75.8179, 93.4733



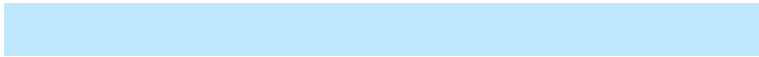
67.9132, 75.8179, 103.1504



71.7309, 75.8179, 107.2670

# Triad

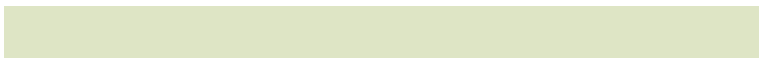
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.9132, 75.8179, 103.1504



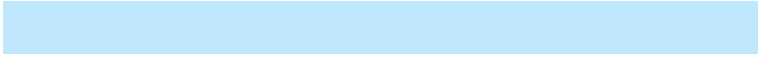
80.2420, 75.8179, 83.5079



68.4678, 75.8179, 64.0907

# Complementary

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



67.9132, 75.8179, 103.1504



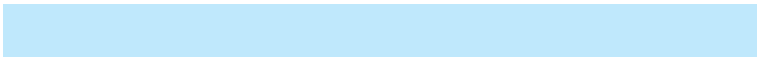
72.8440, 71.0460, 59.1660

# 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.



72.3954, 75.8179, 61.9600



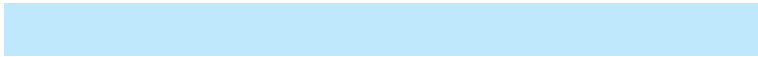
67.9132, 75.8179, 103.1504



79.2889, 75.8179, 72.5178

# Square

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



67.9132, 75.8179, 103.1504



78.9354, 75.8179, 95.2749



76.3777, 75.8179, 64.8977

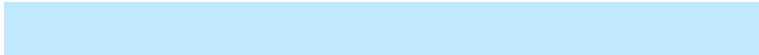


65.6009, 75.8179, 71.0168



# Rectangle

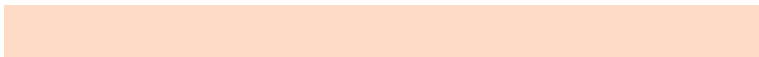
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.9132, 75.8179, 103.1504



74.4748, 75.8179, 106.0369



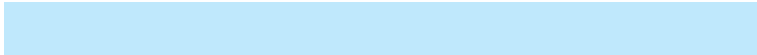
76.3777, 75.8179, 64.8977



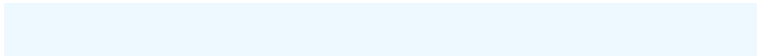
69.7032, 75.8179, 62.8204

# Sweetspot

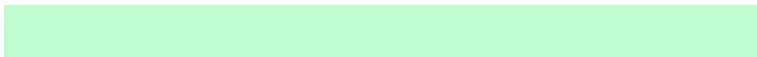
The Sweet Spot groups the original color and five complimentary colors.



67.9155, 75.8210, 103.1521



86.9467, 93.0934, 107.9940



67.9702, 85.3676, 74.0767



18.4672, 19.8026, 23.0989



0.0000, 0.0000, 0.0000

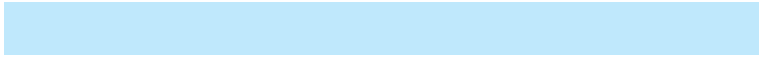


20.3446, 21.4041, 23.3091

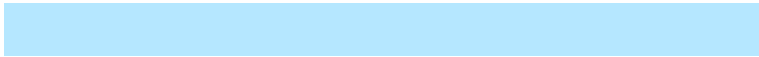


# Same Dimension

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



67.9155, 75.8210, 103.1521



65.6258, 74.0658, 105.4450



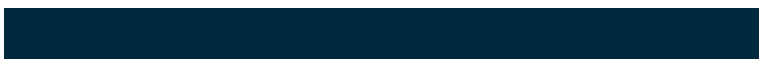
60.2218, 60.4336, 100.5876



17.2582, 18.5933, 22.0646



16.7214, 18.7983, 50.7207



1.6454, 1.9345, 4.7298



# Inverse Universe

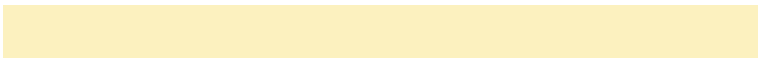
The Inverse Universe completely reimagines the original color for something new.



73.3431, 63.7852, 84.7935



72.1636, 60.0839, 83.2156



80.9514, 87.2607, 61.8684



17.7369, 17.4221, 20.4702



24.7322, 12.3086, 21.0960

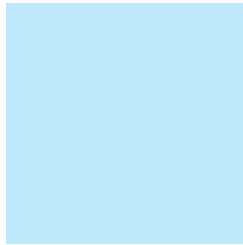


2.3394, 1.1595, 2.2109



# Previews

## White Background



This preview shows how the XYZ color 67.9132, 75.8179, 103.1504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

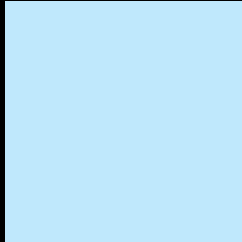
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.9132, 75.8179, 103.1504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

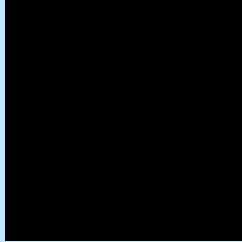
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 67.9132, 75.8179, 103.1504

## Background



This preview shows how black text looks on a background with the XYZ color 67.9132, 75.8179, 103.1504.



This preview shows how white text looks on a background with the XYZ color 67.9132, 75.8179,



# 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

67.9132, 75.8179, 103.1504

### Protanopia

73.8756, 75.7147, 98.7164

### Deuteranopia

76.9858, 75.2067, 105.0665



## Tritanopia

67.7551, 75.7546, 102.3178

# Trichromacy



## Original Color

67.9132, 75.8179, 103.1504

## Protanomaly

71.4319, 75.6266, 100.4551

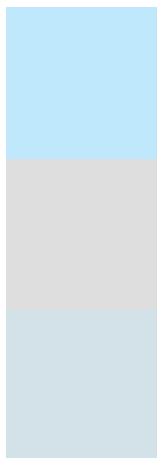
## Deuteranomaly

73.4585, 75.3725, 104.4426

## Tritanomaly

67.7551, 75.7546, 102.3178

# Monochromacy



## Original Color

67.9132, 75.8179, 103.1504

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

68.7683, 74.1248, 87.7738

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.9132, 75.8179, 103.1504 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(191, 232, 252)` looks like.

```
.text, #text, p{  
    color:rgb(191, 232, 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(191, 232, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 232, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 67.9132, 75.8179, 103.1504 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(191, 232, 252) }
```



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

```
.border{ border-color:rgb(191, 232, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 232, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 232, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 232, 252);  
box-shadow:4px 4px 4px 4px rgb(191, 232,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.9132, 75.8179, 103.1504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 232, 252) }
```

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

```
.background{ background-color: rgb(191,  
232, 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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