

# Converting Colors

XYZ(58.7454, 67.5321, 93.2909)

Have a look what the booklet for  
XYZ(58.7454, 67.5321, 93.2909)  
contains.

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# Color

**XYZ(58.8424, 67.6723,  
93.1798)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AADFF1
RGB	170, 223, 241
RGB Percent	67%, 87%, 95%
CMY	0.3333, 0.1255, 0.0549
CMYK	0.29, 0.07, 0.00, 0.05
HSL	195°, 72%, 81%
HSV	195°, 29%, 95%
XYZ	58.8424, 67.6723, 93.1798
YIQ	209.2050, -37.3660, -5.6380

# Conversions

## Conversions Part 2

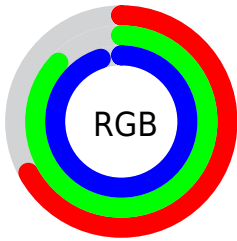
Format	Color
R <sub>YB</sub>	170, 200, 241
Decimal	11198449
CIE Lab	85.84, -12.83, -14.29
CIE LCh	86, 19.208, 228.077
Yxy	67.6723, 0.2678, 0.3080
Android (android.graphics.Color)	4289388529 (0xFFAADFF1)
YUV	209.2050, 15.6749, -34.3828
Hunter-Lab	82.2632, -16.2805, -9.5738

# Details

The XYZ color **58.8424, 67.6723, 93.1798** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.5154, 57.5699, 45.9016**, and the grayscale version is **60.6581, 63.8171, 69.4968**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **29.9620, 35.2210, 51.1181** is the 20% darker color. If you saturate the color by 10%, you get **52.5001, 62.0248, 92.4251**, and if you desaturate by 10%, it is **66.2027, 73.9353, 94.0019**.

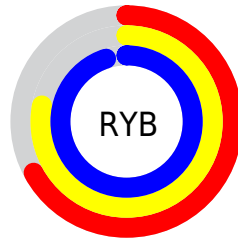
# Distribution



Red (67%)

Green (87%)

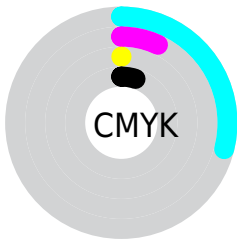
Blue (95%)



Red (67%)

Yellow (78%)

Blue (95%)

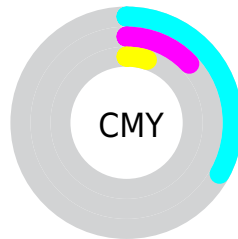


Cyan (29%)

Magenta (7%)

Yellow (0%)

Black (5%)



Cyan (33%)

Magenta (13%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8424, 67.6723, 93.1798 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 58.8424, 67.6723, 93.1798 by changing the saturation by 10% instead.



■ 58.8424, 67.6723,  
93.1798

■ 58.8424, 67.6723,  
93.1798

410.2211,  
452.3341, 559.1560

■ 42.7321, 49.6312,  
70.0325

■ 102.2645,  
115.8832, 153.7214

■ 29.8686, 35.1204,  
51.0760

130.3071,  
146.8218, 191.9527

■ 19.8865, 23.7557,  
35.8920

163.0578,  
182.8284, 236.0491

■ 12.4203, 15.1525,  
24.0617

200.8820,  
224.2872, 286.4291

■ 7.1048, 8.9265,  
15.1668

244.1451,  
271.5829, 343.5112

■ 3.5747, 4.6932,  
8.7886

293.2124,

■ 1.4644, 2.0684,

325.0996, 407.7141

4.5086

348.4493,  
385.2219, 479.4562

■ 0.3014, 0.6468,  
1.9083

■ 0.0000, 0.0000,  
0.4980

■ 58.8424, 67.6723,  
93.1798

■ 58.8424, 67.6723,  
93.1798

■ 52.5001, 62.0248,  
92.4251

■ 66.2027, 73.9353,  
94.0019

■ 47.1167, 56.9565,  
91.7306

■ 74.6237, 80.8319,  
94.8892

■ 42.6365, 52.4395,  
91.0948

■ 84.1531, 88.3890,  
95.8456

■ 38.9951, 48.4394,  
90.5147

■ 90.5130, 94.4023,  
96.6711

■ 36.1190, 44.9177,  
89.9865

■ 92.4164, 98.2090,  
97.3056

■ 33.9210, 41.8282,  
89.5060

■ 92.8774, 99.1310,  
97.4592

■ 32.2636, 39.0992,  
89.0666

■ 32.1807, 38.9575,  
89.0437

# Harmonies

## Analogous

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



56.6230, 67.6723, 81.4444



58.8424, 67.6723, 93.1798



62.5918, 67.6723, 99.9662

# Triad

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



58.8424, 67.6723, 93.1798



72.9406, 67.6723, 78.7934



61.7360, 67.6723, 53.0034

# Complementary

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



58.8424, 67.6723, 93.1798



61.5154, 57.5699, 45.9016

# 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.



66.0808, 67.6723, 52.4658



58.8424, 67.6723, 93.1798



72.6858, 67.6723, 66.4322

# Square

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



58.8424, 67.6723, 93.1798



70.8095, 67.6723, 91.0499



70.1284, 67.6723, 57.1163



58.2405, 67.6723, 58.6792



# Rectangle

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



58.8424, 67.6723, 93.1798



65.5141, 67.6723, 100.3121



70.1284, 67.6723, 57.1163



63.1415, 67.6723, 52.2414

# Sweetspot

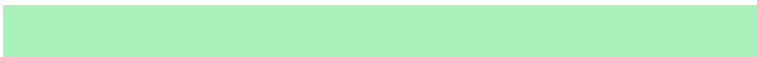
The Sweet Spot groups the original color and five complimentary colors.



58.8444, 67.6750, 93.1814



85.2771, 92.2484, 107.9189



57.0844, 75.0780, 58.9201



17.9355, 19.4892, 23.0664



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

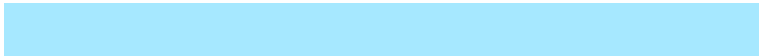


# Same Dimension

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



58.8444, 67.6750, 93.1814



62.6862, 73.2253, 105.4377



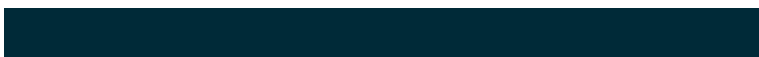
50.3860, 50.7582, 90.3619



15.8884, 17.2109, 20.2062



17.5640, 21.3523, 48.3236



1.5400, 1.9339, 4.0463



# Inverse Universe

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



63.9713, 52.7796, 76.6309



69.4498, 54.2892, 83.4430



69.9871, 74.5134, 48.7255



16.2731, 15.9590, 18.9944



24.1911, 11.9489, 24.7208

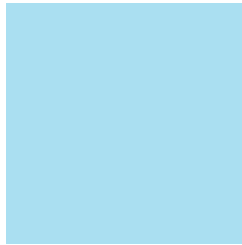


2.0522, 1.0099, 2.2660



# Previews

## White Background



This preview shows how the XYZ color 58.8424, 67.6723, 93.1798 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

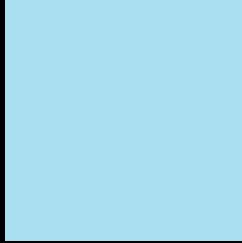
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8424, 67.6723, 93.1798 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 58.8424, 67.6723, 93.1798**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8424, 67.6723, 93.1798.



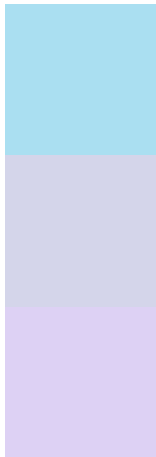
This preview shows how white text looks on a background with the XYZ color 58.8424, 67.6723,



# 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

58.8424, 67.6723, 93.1798

### Protanopia

65.7969, 67.5261, 87.4079

### Deuteranopia

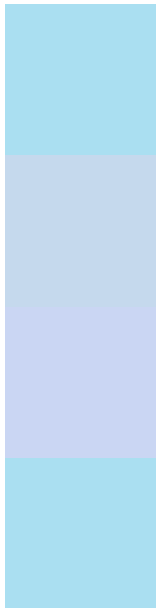
68.9484, 67.5047, 94.9837



## Tritanopia

58.8424, 67.6723, 93.1798

# Trichromacy



## Original Color

58.8424, 67.6723, 93.1798

## Protanomaly

63.1249, 67.6104, 89.8438

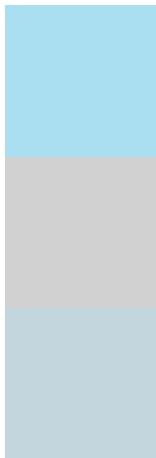
## Deuteranomaly

64.5814, 67.1208, 94.3458

## Tritanomaly

58.8424, 67.6723, 93.1798

# Monochromacy



## Original Color

58.8424, 67.6723, 93.1798

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

59.6034, 64.9157, 77.7952

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8424, 67.6723, 93.1798 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(170, 223, 241)` looks like.

```
.text, #text, p{  
    color:rgb(170, 223, 241)  
}
```

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(170, 223, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 223, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8424, 67.6723, 93.1798 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(170, 223, 241) }
```



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

```
.border{ border-color:rgb(170, 223, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 223, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 223, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 223, 241);  
box-shadow:4px 4px 4px 4px rgb(170, 223,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8424, 67.6723, 93.1798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 223, 241) }
```

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

```
.background{ background-color: rgb(170,  
223, 241) }
```

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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