

# Converting Colors

XYZ(59.6421, 67.5659, 98.7050)

Have a look what the booklet for  
XYZ(59.6421, 67.5659, 98.7050)  
contains.

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# Color

**XYZ(59.6421, 67.5659,  
98.7050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AADEF8
RGB	170, 222, 248
RGB Percent	67%, 87%, 97%
CMY	0.3333, 0.1294, 0.0274
CMYK	0.31, 0.10, 0.00, 0.03
HSL	200°, 85%, 82%
HSV	200°, 31%, 97%
XYZ	59.6421, 67.5659, 98.7050
YIQ	209.4160, -39.3380, -2.9380

# Conversions

## Conversions Part 2

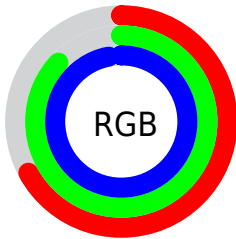
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 201, 248
Decimal	11198200
CIELab	85.79, -10.68, -18.07
CIELCh	86, 20.987, 239.404
Yxy	67.5659, 0.2640, 0.2991
Android (android.graphics.Color)	4289388280 (0xFFAADEF8)
YUV	209.4160, 19.0219, -34.5678
Hunter-Lab	82.1985, -14.3302, -13.6573

# Details

The XYZ color **59.6421, 67.5659, 98.7050** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.7080, 62.3393, 46.6014**, and the grayscale version is **60.7757, 63.9407, 69.6314**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **30.4034, 35.0880, 55.0394** is the 20% darker color. If you saturate the color by 10%, you get **52.6367, 60.7763, 97.7648**, and if you desaturate by 10%, it is **67.7705, 75.0975, 99.7315**.

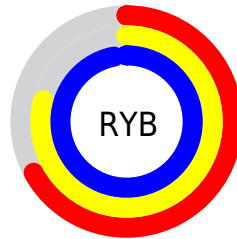
# Distribution



Red (67%)

Green (87%)

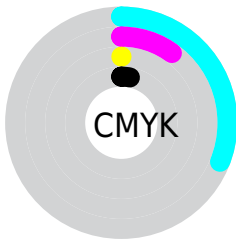
Blue (97%)



Red (67%)

Yellow (79%)

Blue (97%)

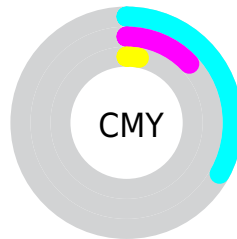


Cyan (31%)

Magenta (10%)

Yellow (0%)

Black (3%)



Cyan (33%)

Magenta (13%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6421, 67.5659, 98.7050 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 59.6421, 67.5659, 98.7050 by changing the saturation by 10% instead.



■ 59.6421, 67.5659,  
98.7050

■ 59.6421, 67.5659,  
98.7050

413.1332,  
451.9564, 577.2439

■ 43.3786, 49.5447,  
74.6086

■ 103.4196,  
115.7309, 161.4127

■ 30.3781, 35.0517,  
54.7925

131.6643,  
146.6435, 200.8612

■ 20.2752, 23.7027,  
38.8382

164.6335,  
182.6219, 246.2641

■ 12.7047, 15.1133,  
26.3270

202.6924,  
224.0507, 298.0399

■ 7.3011, 8.8989,  
16.8405

246.2065,  
271.3141, 356.6073

■ 3.6991, 4.6753,  
9.9601

295.5411,

■ 1.5334, 2.0580,

324.7966, 422.3847

5.2672

351.0615,  
384.8826, 495.7908

■ 0.3484, 0.6409,  
2.3434

■ 0.0000, 0.0000,  
0.7554

■ 59.6421, 67.5659,  
98.7050

■ 59.6421, 67.5659,  
98.7050

■ 52.6367, 60.7763,  
97.7648

■ 67.7705, 75.0975,  
99.7315

■ 46.6897, 54.6882,  
96.9032

■ 77.0698, 83.3931,  
100.8426

■ 41.7387, 49.2688,  
96.1181

■ 87.5924, 92.4835,  
102.0426

■ 37.7123, 44.4789,  
95.4057

■ 93.9435, 99.5574,  
103.0733

■ 34.5280, 40.2735,  
94.7619

■ 32.0873, 36.5995,  
94.1813

■ 30.4602, 33.8108,  
93.7288

# Harmonies

## Analogous

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



56.5208, 67.5659, 87.3015



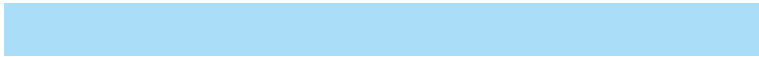
59.6421, 67.5659, 98.7050



64.1236, 67.5659, 103.2408

# Triad

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



59.6421, 67.5659, 98.7050



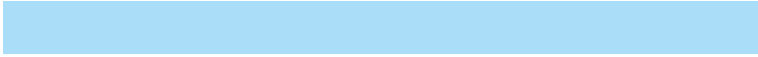
73.8823, 67.5659, 73.8425



59.8002, 67.5659, 52.8872

# Complementary

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



59.6421, 67.5659, 98.7050



65.7080, 62.3393, 46.6014

# 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.



64.3152, 67.5659, 50.2064



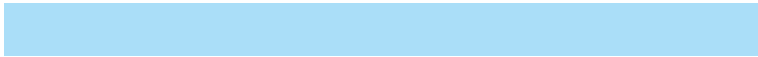
59.6421, 67.5659, 98.7050



72.5870, 67.5659, 61.3556

# Square

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



59.6421, 67.5659, 98.7050



72.4831, 67.5659, 87.8353



69.0250, 67.5659, 53.1077

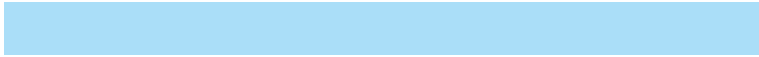


56.6089, 67.5659, 60.9355



# Rectangle

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



59.6421, 67.5659, 98.7050



67.3300, 67.5659, 101.3748



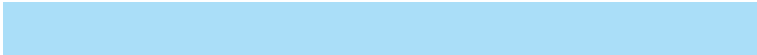
69.0250, 67.5659, 53.1077



61.2060, 67.5659, 51.3764

# Sweetspot

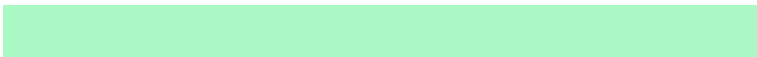
The Sweet Spot groups the original color and five complimentary colors.



59.6442, 67.5686, 98.7066



84.7130, 91.1203, 107.7309



59.9629, 79.6088, 63.6594



17.7961, 19.2103, 23.0200



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

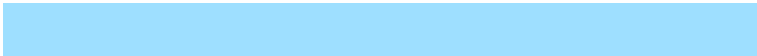


# Same Dimension

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



59.6442, 67.5686, 98.7066



58.4785, 67.1158, 104.4802



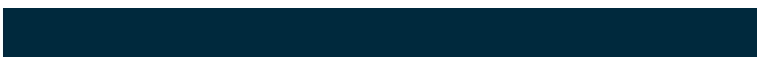
50.7253, 49.7309, 95.7336



17.2499, 18.5767, 22.0618



16.5887, 18.5330, 50.6765



1.6338, 1.9113, 4.7260



# Inverse Universe

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



66.2726, 53.9816, 76.0367



66.7631, 51.0595, 75.9386



75.3059, 81.5351, 49.8007



17.7327, 17.4204, 20.4481



24.6652, 12.2818, 20.7434

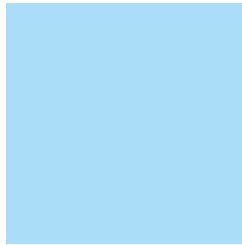


2.3336, 1.1572, 2.1801



# Previews

## White Background



This preview shows how the XYZ color 59.6421, 67.5659, 98.7050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

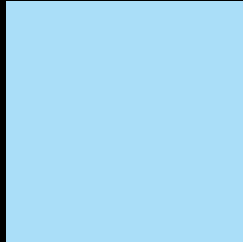
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.6421, 67.5659, 98.7050 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 59.6421, 67.5659, 98.7050

## Background



This preview shows how black text looks on a background with the XYZ color 59.6421, 67.5659, 98.7050.



This preview shows how white text looks on a background with the XYZ color 59.6421, 67.5659,



# 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

59.6421, 67.5659, 98.7050

### Protanopia

65.8650, 67.0531, 93.4755

### Deuteranopia

68.8283, 67.3177, 100.6328



## Tritanopia

58.4133, 67.4511, 93.1597

# Trichromacy



**Original Color**

59.6421, 67.5659, 98.7050

**Protanomaly**

63.3907, 67.2455, 95.2266

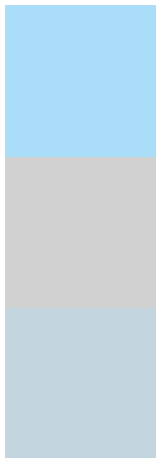
**Deuteranomaly**

65.1213, 67.2746, 99.9955

**Tritanomaly**

59.0790, 67.7420, 95.5497

# Monochromacy



**Original Color**

59.6421, 67.5659, 98.7050

**Achromatopsia**

60.6036, 63.7597, 69.4343

**Achromatomaly**

59.8715, 65.0229, 79.2072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.6421, 67.5659, 98.7050 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, 222, 248)` looks like.

```
.text, #text, p{  
    color:rgb(170, 222, 248)  
}
```

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, 222, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 222, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 59.6421, 67.5659, 98.7050 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, 222, 248) }
```



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

```
.border{ border-color:rgb(170, 222, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 222, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 222, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 222, 248); box-shadow:4px 4px 4px 4px rgb(170, 222, 248) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.6421, 67.5659, 98.7050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 222, 248) }
```

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

```
.background{ background-color: rgb(170,  
222, 248) }
```

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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