

# Converting Colors

XYZ(60.7029, 67.5934,  
104.4552)

Have a look what the booklet for  
XYZ(60.7029, 67.5934, 104.4552)  
contains.

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# **Color**

**XYZ(60.7010, 67.5908,  
104.4548)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABDDFF
RGB	171, 221, 255
RGB Percent	67%, 87%, 100%
CMY	0.3294, 0.1333, 0.0000
CMYK	0.33, 0.13, 0.00, 0.00
HSL	204°, 100%, 84%
HSV	204°, 33%, 100%
XYZ	60.7010, 67.5908, 104.4548
YIQ	209.9260, -40.7140, -0.0260

# Conversions

## Conversions Part 2

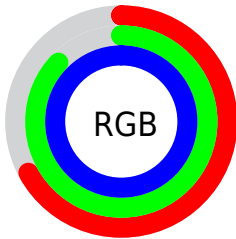
Format	Color
<a href="#">RYB</a>	<a href="#">171, 202, 255</a>
Decimal	<a href="#">11263487</a>
CIELab	<a href="#">85.80, -8.22, -21.73</a>
CIELCh	<a href="#">86, 23.233, 249.287</a>
Yxy	<a href="#">67.5908, 0.2608, 0.2904</a>
Android (android.graphics.Color)	<a href="#">4289453567</a> ( <a href="#">0xFFABDDFF</a> )
YUV	<a href="#">209.9260, 22.2215, -34.1381</a>
Hunter-Lab	<a href="#">82.2136, -12.0815, -17.7801</a>

# Details

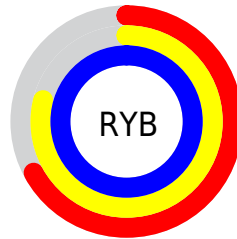
The XYZ color **60.7010, 67.5908, 104.4548** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.4222, 67.8628, 47.9171**, and the grayscale version is **61.0896, 64.2710, 69.9911**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **31.0317, 35.0627, 58.5583** is the 20% darker color. If you saturate the color by 10%, you get **53.0317, 59.7170, 103.3392**, and if you desaturate by 10%, it is **69.6131, 76.3572, 105.6771**.

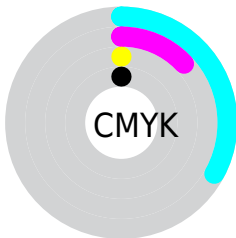
# Distribution



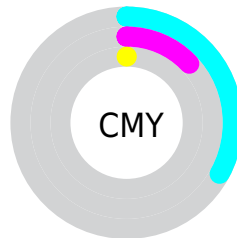
- Red (67%)
- Green (87%)
- Blue (100%)



- Red (67%)
- Yellow (79%)
- Blue (100%)



- Cyan (33%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7010, 67.5908, 104.4548 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 60.7010, 67.5908, 104.4548 by changing the saturation by 10% instead.



60.7010, 67.5908,  
104.4548

60.7010, 67.5908,  
104.4548

416.9703,  
452.0448, 595.7509

44.2355, 49.5649,  
79.3886

104.9465,  
115.7666, 169.3708

31.0544, 35.0678,  
58.6921

133.4572,  
146.6852, 210.0577

20.7923, 23.7151,  
41.9470

166.7136,  
182.6702, 256.7885

13.0839, 15.1224,  
28.7345

205.0813,  
224.1060, 309.9818

7.5637, 8.9054,  
18.6362

248.9254,  
271.3770, 370.0562

3.8665, 4.6795,  
11.2336

298.6114,

1.6269, 2.0605,

324.8675, 437.4301

6.1080

354.5045,  
384.9620, 512.5222

■ 0.4098, 0.6423,  
2.8410

■ 0.0000, 0.0000,  
1.0140

■ 60.7010, 67.5908,  
104.4548

■ 60.7010, 67.5908,  
104.4548

■ 53.0317, 59.7170,  
103.3392

■ 69.6131, 76.3572,  
105.6771

■ 46.5346, 52.6901,  
102.3253

■ 79.8220, 86.0435,  
107.0087

■ 41.1405, 46.4716,  
101.4093

■ 91.3853, 96.6853,  
108.4533

■ 36.7696, 41.0155,  
100.5866

95.0500, 100.0000,  
108.9000

■ 33.3302, 36.2699,  
99.8518

■ 30.7115, 32.1725,  
99.1990

■ 29.2448, 29.6095,  
98.7816

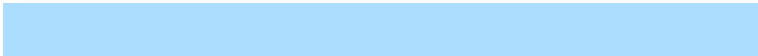
# Harmonies

## Analogous

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



56.6642, 67.5908, 93.6945



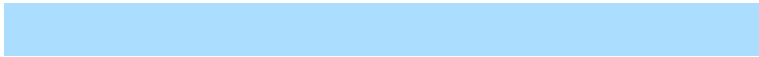
60.7010, 67.5908, 104.4548



65.9039, 67.5908, 106.3683

# Triad

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



60.7010, 67.5908, 104.4548



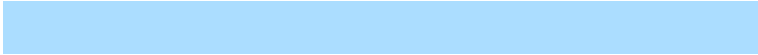
74.8491, 67.5908, 68.9787



57.9957, 67.5908, 53.2136

# Complementary

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



60.7010, 67.5908, 104.4548



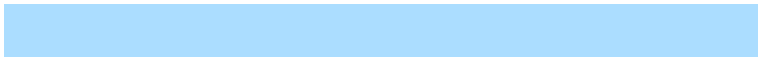
70.4222, 67.8628, 47.9171

# 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.



62.6103, 67.5908, 48.3568



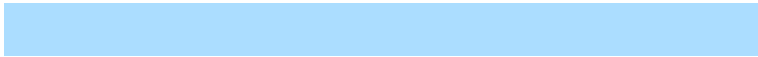
60.7010, 67.5908, 104.4548



72.4692, 67.5908, 56.5974

# Square

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



60.7010, 67.5908, 104.4548



74.2684, 67.5908, 84.4228



67.9202, 67.5908, 49.5040

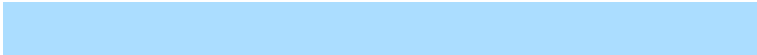


55.1631, 67.5908, 63.7348



# Rectangle

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



60.7010, 67.5908, 104.4548



69.3653, 67.5908, 102.1401



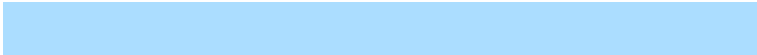
67.9202, 67.5908, 49.5040



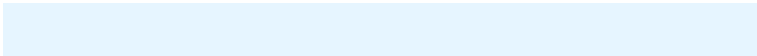
59.3794, 67.5908, 50.9351

# Sweetspot

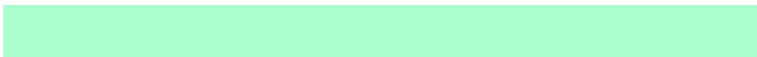
The Sweet Spot groups the original color and five complimentary colors.



60.7029, 67.5934, 104.4552



83.0784, 89.0714, 107.4215



63.5268, 84.5669, 70.4810



17.4458, 18.7529, 22.9501



0.0000, 0.0000, 0.0000

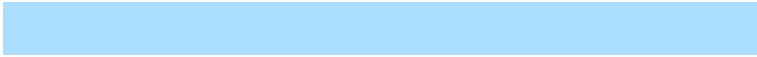


20.3446, 21.4041, 23.3091

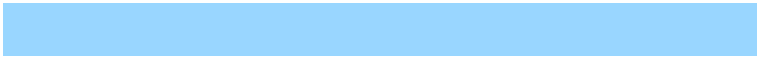


# Same Dimension

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



60.7029, 67.5934, 104.4552



55.1620, 61.9425, 103.6565



51.0464, 48.2804, 101.2364



17.9022, 19.1759, 23.0077



15.4314, 15.7723, 51.6656



1.6098, 1.7503, 5.0663



# Inverse Universe

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



68.8553, 55.6079, 75.5138



64.7328, 48.8831, 69.4529



81.7297, 90.4778, 51.6862



18.4633, 18.1686, 21.0567



24.5772, 12.3202, 16.9561

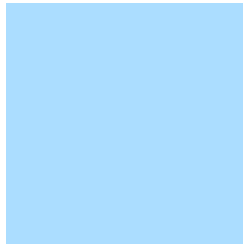


2.4471, 1.2212, 1.9361



# Previews

## White Background



This preview shows how the XYZ color 60.7010, 67.5908, 104.4548 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

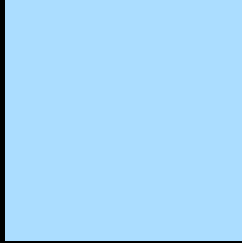
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.7010, 67.5908, 104.4548 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

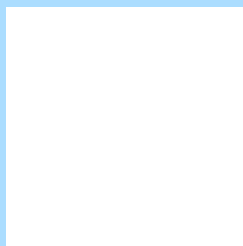
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.7010, 67.5908, 104.4548

## Background



This preview shows how black text looks on a background with the XYZ color 60.7010, 67.5908, 104.4548.



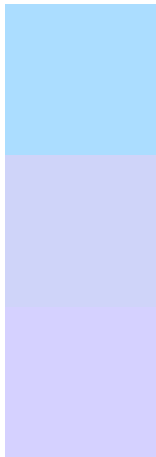
This preview shows how white text looks on a background with the XYZ color 60.7010, 67.5908,



# 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

60.7010, 67.5908, 104.4548

### Protanopia

66.3745, 67.1919, 99.0936

### Deuteranopia

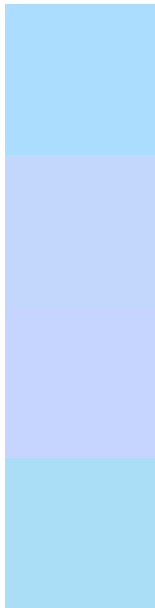
68.2910, 66.9671, 103.9344



## Tritanopia

58.4133, 67.4511, 93.1597

# Trichromacy



**Original Color**

60.7010, 67.5908, 104.4548

**Protanomaly**

63.9612, 67.0352, 100.8348

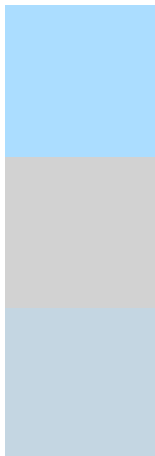
**Deuteranomaly**

65.1330, 66.8143, 104.0713

**Tritanomaly**

59.1180, 67.3314, 97.0692

# Monochromacy



**Original Color**

60.7010, 67.5908, 104.4548

**Achromatopsia**

61.2578, 64.4480, 70.1838

**Achromatomaly**

60.5390, 65.3199, 81.3688

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.7010, 67.5908, 104.4548 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(171, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 221, 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(171, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 221, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 60.7010, 67.5908, 104.4548 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".

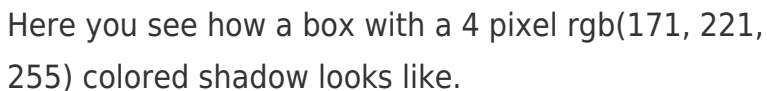
```
.border, #border, table{ border:4px solid rgb(171, 221, 255) }
```



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

```
.border{ border-color:rgb(171, 221, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 221, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 221, 255); box-shadow:4px 4px 4px 4px rgb(171, 221, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.7010, 67.5908, 104.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 221, 255) }
```

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

```
.background{ background-color: rgb(171,  
221, 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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