

# Converting Colors

XYZ(62.3078, 69.0405,  
109.5439)

Have a look what the booklet for  
XYZ(62.3078, 69.0405, 109.5439)  
contains.

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# **Color**

**XYZ(61.4509, 68.7660,  
104.6421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACDFFF
RGB	172, 223, 255
RGB Percent	67%, 87%, 100%
CMY	0.3255, 0.1255, 0.0000
CMYK	0.33, 0.13, 0.00, 0.00
HSL	203°, 100%, 84%
HSV	203°, 33%, 100%
XYZ	61.4509, 68.7660, 104.6421
YIQ	211.3990, -40.6680, -0.8600

# Conversions

## Conversions Part 2

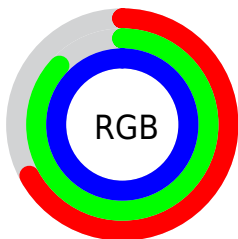
Format	Color
R <sub>Y</sub> B	172, 204, 255
Decimal	11329535
CIE Lab	86.39, -8.98, -20.84
CIE LCh	86, 22.690, 246.687
Yxy	68.7660, 0.2617, 0.2928
Android (android.graphics.Color)	4289519615 (0xFFACDFFF)
YUV	211.3990, 21.4953, -34.5529
Hunter-Lab	82.9253, -12.8437, -16.7694

# Details

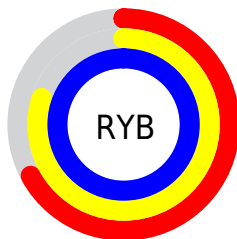
The XYZ color **61.4509, 68.7660, 104.6421** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.2795, 67.4241, 48.3415**, and the grayscale version is **62.0638, 65.2960, 71.1073**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **31.5318, 35.8644, 58.6867** is the 20% darker color. If you saturate the color by 10%, you get **53.8317, 61.0532, 103.5549**, and if you desaturate by 10%, it is **70.3002, 77.3426, 105.8311**.

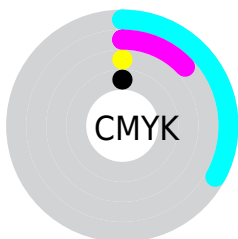
# Distribution



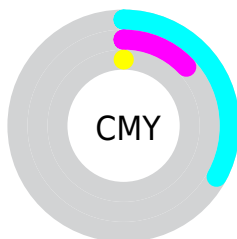
- Red (67%)
- Green (87%)
- Blue (100%)



- Red (67%)
- Yellow (80%)
- 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 61.4509, 68.7660, 104.6421 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 61.4509, 68.7660, 104.6421 by changing the saturation by 10% instead.



61.4509, 68.7660,  
104.6421

61.4509, 68.7660,  
104.6421

419.6749,  
456.2052, 596.3487

44.8431, 50.5212,  
79.5446

106.0260,  
117.4473, 169.6293

31.5346, 35.8277,  
58.8197

134.7239,  
148.6525, 210.3561

21.1601, 24.3011,  
42.0489

168.1826,  
184.9467, 257.1296

13.3542, 15.5572,  
28.8138

206.7674,  
226.7142, 310.3686

7.7516, 9.2113,  
18.6956

250.8437,  
274.3394, 370.4914

3.9869, 4.8793,  
11.2760

300.7768,

1.6947, 2.1766,

328.2067, 437.9166

6.1363

356.9321,  
388.7005, 513.0629

■ 0.4530, 0.7072,  
2.8580

■ 0.0000, 0.0000,  
1.0226

■ 61.4509, 68.7660,  
104.6421

■ 61.4509, 68.7660,  
104.6421

■ 53.8317, 61.0532,  
103.5549

■ 70.3002, 77.3426,  
105.8311

■ 47.3727, 54.1594,  
102.5647

■ 80.4330, 86.8094,  
107.1244

■ 42.0053, 48.0470,  
101.6678

■ 91.9064, 97.2011,  
108.5254

■ 37.6506, 42.6713,  
100.8597

95.0500, 100.0000,  
108.9000

■ 34.2179, 37.9816,  
100.1354

■ 31.5979, 33.9170,  
99.4890

■ 30.0555, 31.2310,  
99.0518

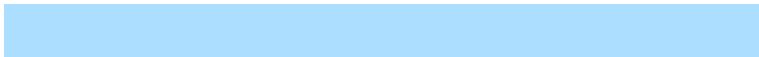
# Harmonies

## Analogous

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



57.6044, 68.7660, 93.4822



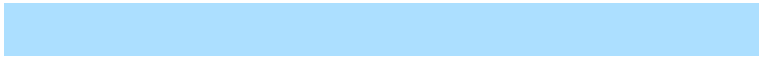
61.4509, 68.7660, 104.6421



66.5409, 68.7660, 107.3665

# Triad

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



61.4509, 68.7660, 104.6421



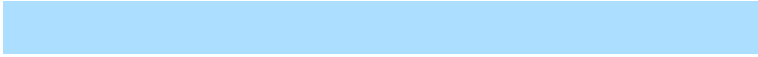
75.8927, 68.7660, 71.5627



59.5202, 68.7660, 54.0261

# Complementary

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



61.4509, 68.7660, 104.6421



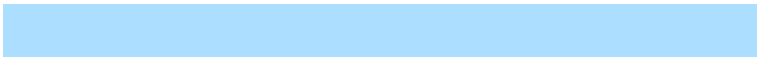
70.2795, 67.4241, 48.3415

# 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.



64.1932, 68.7660, 49.7039



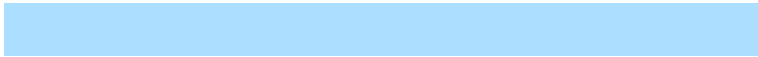
61.4509, 68.7660, 104.6421



73.7822, 68.7660, 58.9160

# Square

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



61.4509, 68.7660, 104.6421



75.0622, 68.7660, 86.8919



69.4315, 68.7660, 51.3665

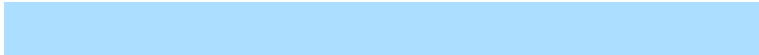


56.5321, 68.7660, 64.0195



# Rectangle

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



61.4509, 68.7660, 104.6421



69.9930, 68.7660, 103.7468



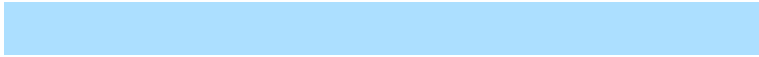
69.4315, 68.7660, 51.3665



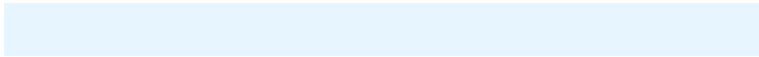
60.9362, 68.7660, 51.9272

# Sweetspot

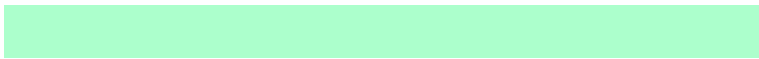
The Sweet Spot groups the original color and five complimentary colors.



61.4528, 68.7686, 104.6425



83.2266, 89.3678, 107.4709



63.6514, 84.6420, 69.9956



17.4817, 18.8247, 22.9621



0.0000, 0.0000, 0.0000

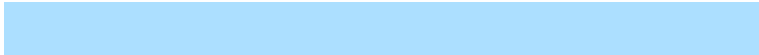


20.3446, 21.4041, 23.3091

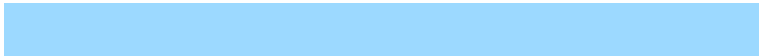


# Same Dimension

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



61.4528, 68.7686, 104.6425



56.3990, 63.6943, 103.9294



51.7278, 49.3187, 101.4008



17.9324, 19.2364, 23.0178



15.8537, 16.6170, 51.8064



1.6496, 1.8298, 5.0795



# Inverse Universe

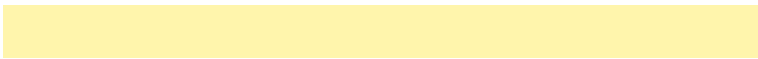
The Inverse Universe completely reimagines the original color for something new.



69.3130, 56.0943, 76.9891



65.5334, 49.8783, 71.5883



81.4352, 89.7355, 52.0601



18.4785, 18.1747, 21.1370



24.7904, 12.4055, 18.0787

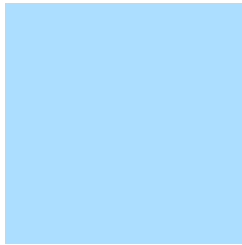


2.4672, 1.2293, 2.0418



# Previews

## White Background



This preview shows how the XYZ color 61.4509, 68.7660, 104.6421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

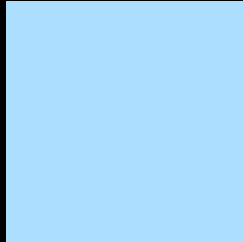
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.4509, 68.7660, 104.6421 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

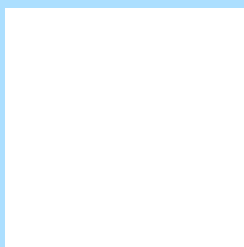
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.4509, 68.7660, 104.6421

## Background



This preview shows how black text looks on a background with the XYZ color 61.4509, 68.7660, 104.6421.



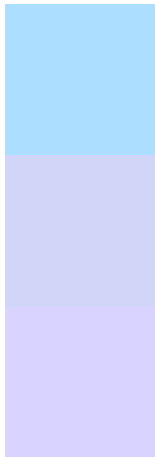
This preview shows how white text looks on a background with the XYZ color 61.4509, 68.7660,



# 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

61.4509, 68.7660, 104.6421

### Protanopia

67.4399, 68.4880, 99.2876

### Deuteranopia

69.6632, 68.4075, 104.1401



## Tritanopia

59.4651, 68.7565, 94.9312

# Trichromacy



## Original Color

61.4509, 68.7660, 104.6421

## Protanomaly

64.9904, 68.3265, 101.0298

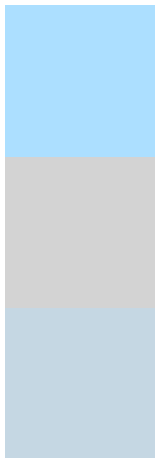
## Deuteranomaly

66.1699, 68.1002, 104.2649

## Tritanomaly

60.0217, 68.5728, 98.0681

# Monochromacy



## Original Color

61.4509, 68.7660, 104.6421

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

61.1915, 66.0172, 82.1905

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4509, 68.7660, 104.6421 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(172, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 223, 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(172, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 223, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4509, 68.7660, 104.6421 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(172, 223, 255) }
```



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

```
.border{ border-color:rgb(172, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 223,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4509, 68.7660, 104.6421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 223, 255) }
```

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

```
.background{ background-color: rgb(172,  
223, 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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