

# Converting Colors

XYZ(61.3576, 69.0520,  
104.7022)

Have a look what the booklet for  
XYZ(61.3576, 69.0520, 104.7022)  
contains.

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# **Color**

**XYZ(61.5002, 69.1892,  
104.7212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABE0FF
RGB	171, 224, 255
RGB Percent	67%, 88%, 100%
CMY	0.3294, 0.1216, 0.0000
CMYK	0.33, 0.12, 0.00, 0.00
HSL	202°, 100%, 84%
HSV	202°, 33%, 100%
XYZ	61.5002, 69.1892, 104.7212
YIQ	211.6870, -41.5390, -1.5950

# Conversions

## Conversions Part 2

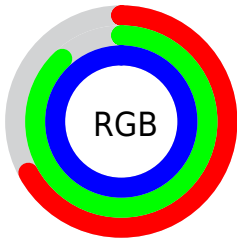
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 203, 255
Decimal	11264255
CIE <sub>Lab</sub>	86.60, -9.77, -20.53
CIE <sub>LCh</sub>	87, 22.732, 244.551
Yxy	69.1892, 0.2612, 0.2939
Android (android.graphics.Color)	4289454335 (0xFFABE0FF)
YUV	211.6870, 21.3533, -35.6825
Hunter-Lab	83.1800, -13.5889, -16.4183

# Details

The XYZ color **61.5002, 69.1892, 104.7212** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.7114, 66.4412, 47.6801**, and the grayscale version is **62.2557, 65.4979, 71.3272**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **31.5835, 36.1662, 58.7422** is the 20% darker color. If you saturate the color by 10%, you get **54.0132, 61.6801, 103.6664**, and if you desaturate by 10%, it is **70.2024, 77.5359, 105.8736**.

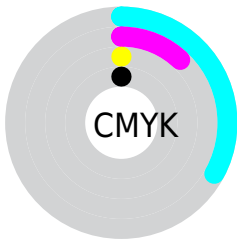
# Distribution



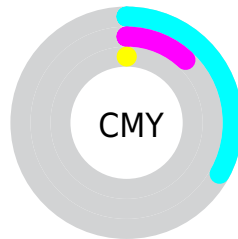
- Red (67%)
- Green (88%)
- Blue (100%)



- Red (67%)
- Yellow (80%)
- Blue (100%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5002, 69.1892, 104.7212 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 61.5002, 69.1892, 104.7212 by changing the saturation by 10% instead.



61.5002, 69.1892,  
104.7212

61.5002, 69.1892,  
104.7212

419.8523,  
457.6980, 596.6010

44.8830, 50.8658,  
79.6105

106.0969,  
118.0518, 169.7385

31.5662, 36.1018,  
58.8736

134.8071,  
149.3597, 210.4820

21.1843, 24.5128,  
42.0920

168.2791,  
185.7647, 257.2736

13.3720, 15.7145,  
28.8472

206.8781,  
227.6510, 310.5318

7.7640, 9.3223,  
18.7207

250.9696,  
275.4031, 370.6751

3.9948, 4.9520,  
11.2939

300.9189,

1.6992, 2.2191,

329.4054, 438.1220

6.1482

357.0913,  
390.0422, 513.2912

■ 0.4558, 0.7304,  
2.8652

■ 0.0000, 0.0000,  
1.0262

■ 61.5002, 69.1892,  
104.7212

■ 61.5002, 69.1892,  
104.7212

■ 54.0132, 61.6801,  
103.6664

■ 70.2024, 77.5359,  
105.8736

■ 47.6717, 54.9642,  
102.7043

■ 80.1732, 86.7460,  
107.1258

■ 42.4070, 49.0046,  
101.8315

■ 91.4695, 96.8535,  
108.4814

■ 38.1403, 43.7570,  
101.0435

95.0500, 100.0000,  
108.9000

■ 34.7807, 39.1709,  
100.3353

■ 32.2183, 35.1861,  
99.7013

■ 30.7776, 32.6752,  
99.2925

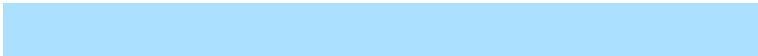
# Harmonies

## Analogous

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



57.7586, 69.1892, 93.0366



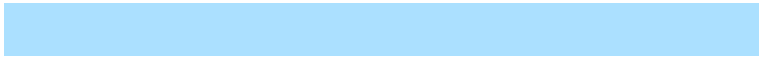
61.5002, 69.1892, 104.7212



66.5703, 69.1892, 108.1539

# Triad

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



61.5002, 69.1892, 104.7212



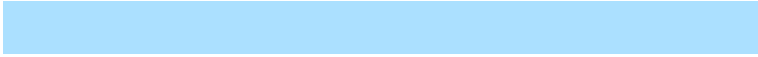
76.3981, 69.1892, 73.0540



60.1769, 69.1892, 53.8573

# Complementary

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



61.5002, 69.1892, 104.7212



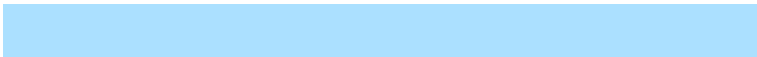
69.7114, 66.4412, 47.6801

# 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.



64.9608, 69.1892, 49.9341



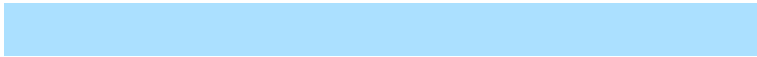
61.5002, 69.1892, 104.7212



74.4732, 69.1892, 60.0349

# Square

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



61.5002, 69.1892, 104.7212



75.3509, 69.1892, 88.5169



70.2168, 69.1892, 52.0355

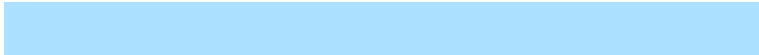


57.0237, 69.1892, 63.5319



# Rectangle

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



61.5002, 69.1892, 104.7212



70.0666, 69.1892, 104.9607



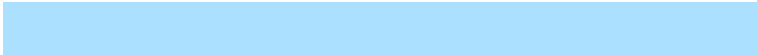
70.2168, 69.1892, 52.0355



61.6379, 69.1892, 51.8855

# Sweetspot

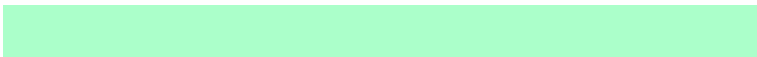
The Sweet Spot groups the original color and five complimentary colors.



61.5021, 69.1918, 104.7216



83.3541, 89.6228, 107.5134



63.1926, 84.4332, 68.7211



17.5126, 18.8865, 22.9724



0.0000, 0.0000, 0.0000

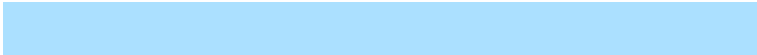


20.3446, 21.4041, 23.3091

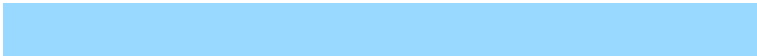


# Same Dimension

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



61.5021, 69.1918, 104.7216



56.0927, 63.8041, 103.9668



51.6149, 49.4175, 101.4259



17.9584, 19.2884, 23.0265



16.2296, 17.3687, 51.9317



1.6847, 1.9001, 5.0912



# Inverse Universe

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



69.2587, 55.7692, 77.6381



65.2026, 49.0710, 71.9268



80.8817, 88.7818, 51.4035



18.4917, 18.1800, 21.2062



24.9801, 12.4813, 19.0777

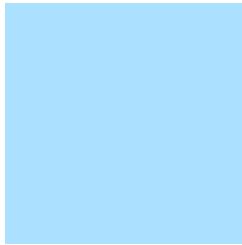


2.4850, 1.2364, 2.1353



# Previews

## White Background



This preview shows how the XYZ color 61.5002, 69.1892, 104.7212 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

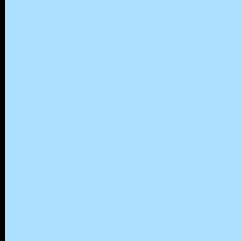
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5002, 69.1892, 104.7212 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

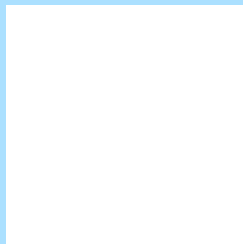
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.5002, 69.1892, 104.7212

## Background



This preview shows how black text looks on a background with the XYZ color 61.5002, 69.1892, 104.7212.



This preview shows how white text looks on a background with the XYZ color 61.5002, 69.1892,



# 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

61.5002, 69.1892, 104.7212

### Protanopia

67.7238, 68.6343, 99.3009

### Deuteranopia

70.2088, 69.0587, 104.2370



## Tritanopia

59.6739, 69.2492, 95.8092

# Trichromacy



## Original Color

61.5002, 69.1892, 104.7212

## Protanomaly

65.2489, 68.8436, 101.1159

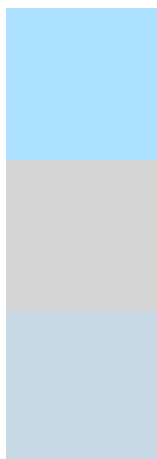
## Deuteranomaly

66.4253, 68.6111, 104.3500

## Tritanomaly

60.2307, 69.0628, 98.9629

# Monochromacy



## Original Color

61.5002, 69.1892, 104.7212

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.5854, 66.5835, 83.0048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5002, 69.1892, 104.7212 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 224, 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, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 224, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5002, 69.1892, 104.7212 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, 224, 255) }
```



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

```
.border{ border-color:rgb(171, 224, 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, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 224,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5002, 69.1892, 104.7212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 224, 255) }
```

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

```
.background{ background-color: rgb(171,  
224, 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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