

# Converting Colors

XYZ(56.8644, 61.4788, 96.8661)

Have a look what the booklet for  
XYZ(56.8644, 61.4788, 96.8661)  
contains.

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# Color

**XYZ(56.8484, 61.5792,  
96.8854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACD2F7
RGB	172, 210, 247
RGB Percent	67%, 82%, 97%
CMY	0.3255, 0.1765, 0.0314
CMYK	0.30, 0.15, 0.00, 0.03
HSL	210°, 82%, 82%
HSV	210°, 30%, 97%
XYZ	56.8484, 61.5792, 96.8854
YIQ	202.8560, -34.5250, 3.4510

# Conversions

## Conversions Part 2

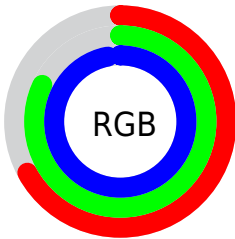
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	172, 197, 247
Decimal	11326199
CIE Lab	82.69, -4.11, -22.21
CIE LCh	83, 22.590, 259.513
Yxy	61.5792, 0.2640, 0.2860
Android (android.graphics.Color)	4289516279 (0xFFACD2F7)
YUV	202.8560, 21.7630, -27.0607
Hunter-Lab	78.4724, -8.0145, -18.2713

# Details

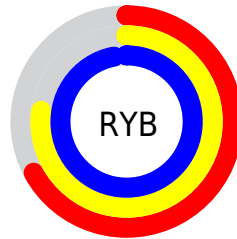
The XYZ color **56.8484, 61.5792, 96.8854** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.6058, 68.3547, 48.6095**, and the grayscale version is **56.5593, 59.5048, 64.8007**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **28.7637, 31.3901, 53.8331** is the 20% darker color. If you saturate the color by 10%, you get **49.0286, 53.2520, 95.6913**, and if you desaturate by 10%, it is **65.9087, 70.8888, 98.2059**.

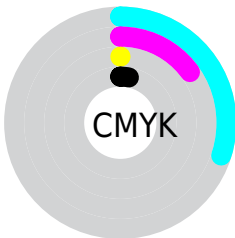
# Distribution



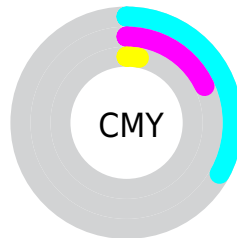
- Red (67%)
- Green (82%)
- Blue (97%)



- Red (67%)
- Yellow (77%)
- Blue (97%)



- Cyan (30%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)



- Cyan (33%)
- Magenta (18%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8484, 61.5792, 96.8854 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 56.8484, 61.5792, 96.8854 by changing the saturation by 10% instead.



■ 56.8484, 61.5792,  
96.8854

■ 56.8484, 61.5792,  
96.8854

402.9044,  
430.3945, 571.3212

■ 41.1232, 44.6928,  
73.0997

■ 99.3766, 107.1171,  
158.8847

■ 28.6035, 31.2155,  
53.5651

126.9103,  
136.5374, 197.9354

■ 18.9238, 20.7630,  
37.8633

159.1109,  
170.9044, 242.9114

■ 11.7189, 12.9509,  
25.5756

196.3437,  
210.6026, 294.2314

■ 6.6234, 7.3947,  
16.2835

238.9741,  
256.0163, 352.3138

■ 3.2719, 3.7102,  
9.5685

287.3674,

■ 1.2992, 1.5128,

307.5299, 417.5772

5.0119

341.8891,  
365.5278, 490.4402

■ 0.1826, 0.2977,  
2.1954

■ 0.0000, 0.0000,  
0.6717

■ 56.8484, 61.5792,  
96.8854

■ 56.8484, 61.5792,  
96.8854

■ 49.0286, 53.2520,  
95.6913

■ 65.9087, 70.8888,  
98.2059

■ 42.3823, 45.8610,  
94.6150

■ 76.2600, 81.2098,  
99.6524

■ 36.8451, 39.3664,  
93.6532

■ 87.9573, 92.5791,  
101.2304

■ 32.3428, 33.7220,  
92.8011

■ 93.7887, 99.4955,  
102.2581

■ 28.7914, 28.8760,  
92.0529

■ 26.0913, 24.7684,  
91.4023

■ 24.1415, 21.4211,  
90.8590

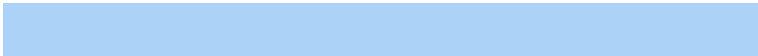
# Harmonies

## Analogous

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



52.6813, 61.5792, 89.4799



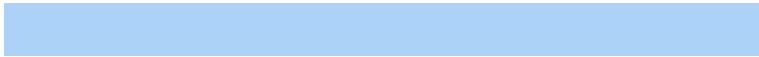
56.8484, 61.5792, 96.8854



61.6994, 61.5792, 95.5017

# Triad

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



56.8484, 61.5792, 96.8854



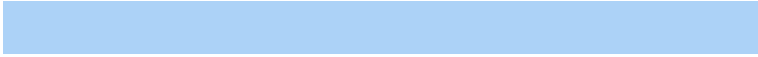
67.7655, 61.5792, 58.5188



51.7199, 61.5792, 51.1622

# Complementary

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



56.8484, 61.5792, 96.8854



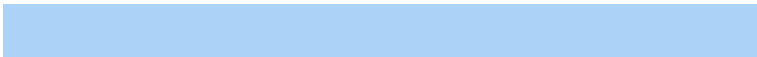
68.6058, 68.3547, 48.6095

# 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.



55.4694, 61.5792, 44.8966



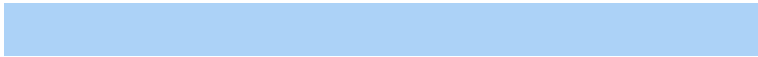
56.8484, 61.5792, 96.8854



64.7945, 61.5792, 48.7204

# Square

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



56.8484, 61.5792, 96.8854



68.1852, 61.5792, 72.0281



60.2428, 61.5792, 44.0691



49.8308, 61.5792, 62.3053



# Rectangle

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



56.8484, 61.5792, 96.8854



64.6648, 61.5792, 89.8337



60.2428, 61.5792, 44.0691



52.7945, 61.5792, 48.4851

# Sweetspot

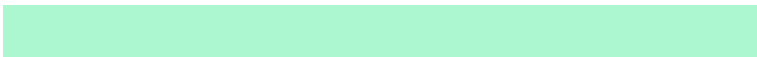
The Sweet Spot groups the original color and five complimentary colors.



56.8503, 61.5816, 96.8868



83.5989, 88.8922, 107.3595



61.6915, 79.8599, 72.0006



17.5214, 18.6609, 22.9284



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

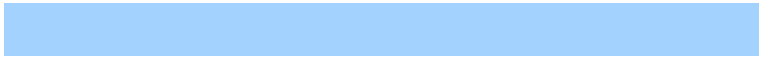


# Same Dimension

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



56.8503, 61.5816, 96.8868



56.1712, 60.9795, 103.4174



48.7951, 45.4712, 94.2017



16.2752, 17.3147, 21.0268



12.9100, 11.6138, 48.0993



1.2375, 1.2264, 4.2617



# Inverse Universe

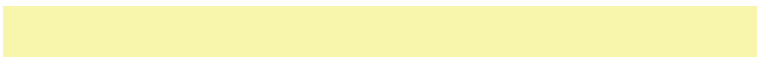
The Inverse Universe completely reimagines the original color for something new.



64.7448, 53.9342, 67.9732



65.9699, 52.1643, 67.3775



78.6852, 88.5134, 51.9693



16.8495, 16.6226, 18.9540



22.3209, 11.2718, 11.6641

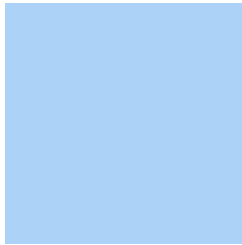


2.0137, 1.0114, 1.2985



# Previews

## White Background



This preview shows how the XYZ color 56.8484, 61.5792, 96.8854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

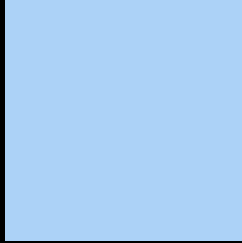
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8484, 61.5792, 96.8854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

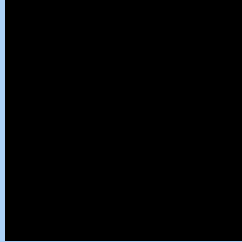
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

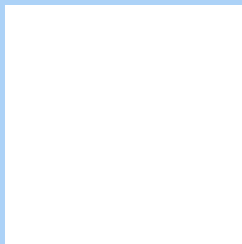
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.8484, 61.5792, 96.8854

## Background



This preview shows how black text looks on a background with the XYZ color 56.8484, 61.5792, 96.8854.



This preview shows how white text looks on a background with the XYZ color 56.8484, 61.5792,



# 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

56.8484, 61.5792, 96.8854

### Protanopia

60.7965, 61.5271, 93.4656

### Deuteranopia

62.8874, 61.4502, 98.1691



## Tritanopia

54.2256, 61.6265, 83.9000

# Trichromacy



## Original Color

56.8484, 61.5792, 96.8854

## Protanomaly

59.1395, 61.3656, 94.3157

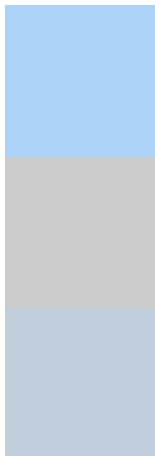
## Deuteranomaly

60.2744, 61.1695, 97.4370

## Tritanomaly

55.0460, 61.5781, 88.3414

# Monochromacy



## Original Color

56.8484, 61.5792, 96.8854

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

56.5957, 60.4636, 75.7056

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8484, 61.5792, 96.8854 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, 210, 247)` looks like.

```
.text, #text, p{  
    color:rgb(172, 210, 247)  
}
```

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, 210, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 210, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8484, 61.5792, 96.8854 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, 210, 247) }
```



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

```
.border{ border-color:rgb(172, 210, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 210, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 210, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 210, 247);  
box-shadow:4px 4px 4px 4px rgb(172, 210,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8484, 61.5792, 96.8854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 210, 247) }
```

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

```
.background{ background-color: rgb(172,  
210, 247) }
```

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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