

# Converting Colors

XYZ(57.0147, 64.1288, 91.0245)

Have a look what the booklet for  
XYZ(57.0147, 64.1288, 91.0245)  
contains.

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# Color

**XYZ(56.9304, 64.0017,  
91.0144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABD8EF
RGB	171, 216, 239
RGB Percent	67%, 85%, 94%
CMY	0.3294, 0.1529, 0.0627
CMYK	0.28, 0.10, 0.00, 0.06
HSL	200°, 68%, 80%
HSV	200°, 28%, 94%
XYZ	56.9304, 64.0017, 91.0144
YIQ	205.1670, -34.2030, -2.3870

# Conversions

## Conversions Part 2

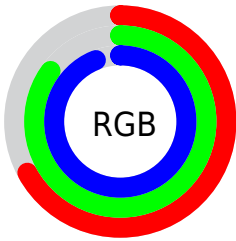
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 198, 239
Decimal	11262191
CIELab	83.97, -9.42, -16.04
CIELCh	84, 18.602, 239.592
Yxy	64.0017, 0.2686, 0.3020
Android (android.graphics.Color)	4289452271 (0xFFABD8EF)
YUV	205.1670, 16.6797, -29.9645
Hunter-Lab	80.0011, -12.9776, -11.4514

# Details

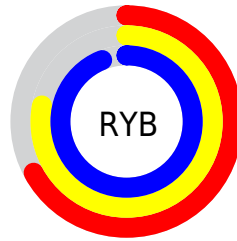
The XYZ color **56.9304, 64.0017, 91.0144** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62.2398, 59.8749, 46.8061**, and the grayscale version is **58.0489, 61.0720, 66.5074**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **28.6282, 32.6905, 49.6008** is the 20% darker color. If you saturate the color by 10%, you get **50.1679, 57.5180, 90.1204**, and if you desaturate by 10%, it is **64.7399, 71.1795, 91.9893**.

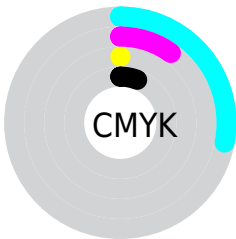
# Distribution



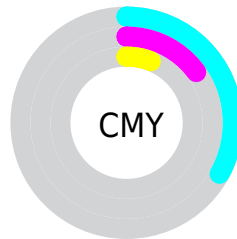
- Red (67%)
- Green (85%)
- Blue (94%)



- Red (67%)
- Yellow (78%)
- Blue (94%)



- Cyan (28%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)



- Cyan (33%)
- Magenta (15%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9304, 64.0017, 91.0144 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 56.9304, 64.0017, 91.0144 by changing the saturation by 10% instead.



■ 56.9304, 64.0017,  
91.0144

■ 56.9304, 64.0017,  
91.0144

403.2069,  
439.1958, 551.9802

■ 41.1893, 46.6521,  
68.2438

■ 99.4956, 110.6134,  
150.6944

■ 28.6553, 32.7607,  
49.6282

127.0503,  
140.6442, 188.4410

■ 18.9632, 21.9432,  
34.7490

159.2737,  
175.6709, 232.0167

■ 11.7476, 13.8151,  
23.1876

196.5310,  
216.0778, 281.8400

■ 6.6430, 7.9922,  
14.5255

239.1876,  
262.2494, 338.3294

■ 3.2842, 4.0900,  
8.3441

287.6089,

■ 1.3058, 1.7240,

314.5699, 401.9036

4.2250

342.1602,  
373.4239, 472.9810

■ 0.1875, 0.4391,  
1.7496

■ 0.0000, 0.0000,  
0.3944

■ 56.9304, 64.0017,  
91.0144

■ 56.9304, 64.0017,  
91.0144

■ 50.1679, 57.5180,  
90.1204

■ 64.7399, 71.1795,  
91.9893

■ 44.3944, 51.6917,  
89.3001

■ 73.6390, 79.0708,  
93.0435

■ 39.5548, 46.4937,  
88.5519

■ 83.6747, 87.7034,  
94.1808

■ 35.5859, 41.8892,  
87.8723

■ 90.4911, 94.8339,  
95.1978

■ 32.4158, 37.8388,  
87.2576

■ 92.5802, 99.0121,  
95.8942

■ 29.9599, 34.2967,  
86.7033

■ 28.0976, 31.1981,  
86.2034

■ 27.8363, 30.7443,  
86.1296

# Harmonies

## Analogous

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



54.2347, 64.0017, 81.4337



56.9304, 64.0017, 91.0144



60.7756, 64.0017, 94.7728

# Triad

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



56.9304, 64.0017, 91.0144



69.0551, 64.0017, 69.8478



57.0235, 64.0017, 51.8502

# Complementary

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



56.9304, 64.0017, 91.0144



62.2398, 59.8749, 46.8061

# 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.



60.8878, 64.0017, 49.4714



56.9304, 64.0017, 91.0144



67.9430, 64.0017, 59.1279

# Square

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



56.9304, 64.0017, 91.0144



67.8826, 64.0017, 81.7430



64.9073, 64.0017, 51.9823



54.2867, 64.0017, 58.8788



# Rectangle

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



56.9304, 64.0017, 91.0144



63.5119, 64.0017, 93.1791



64.9073, 64.0017, 51.9823



58.2279, 64.0017, 50.5178

# Sweetspot

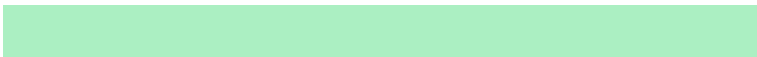
The Sweet Spot groups the original color and five complimentary colors.



56.9324, 64.0043, 91.0159



84.6786, 91.0516, 107.7194



57.3626, 74.2723, 62.1569



17.7876, 19.1933, 23.0171



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

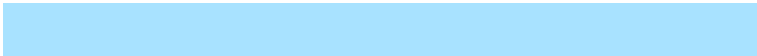


# Same Dimension

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



56.9324, 64.0043, 91.0159



61.3713, 69.7956, 104.8450



49.1722, 48.4839, 88.4292



15.7710, 16.9761, 20.1671



15.5089, 17.2421, 47.6385



1.3818, 1.6176, 3.9936



# Inverse Universe

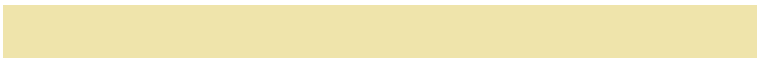
The Inverse Universe completely reimagines the original color for something new.



62.5557, 52.4359, 71.7928



68.9814, 54.8495, 78.6714



70.6003, 76.5958, 49.5929



16.2138, 15.9352, 18.6823



23.1538, 11.5340, 19.2584

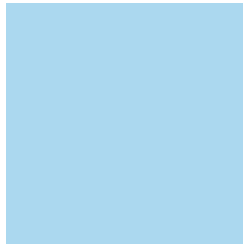


1.9724, 0.9780, 1.8456



# Previews

## White Background



This preview shows how the XYZ color 56.9304, 64.0017, 91.0144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

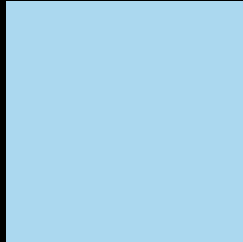
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9304, 64.0017, 91.0144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

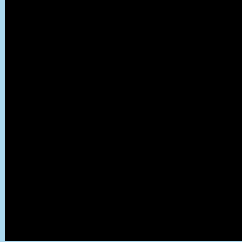
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.9304, 64.0017, 91.0144

## Background



This preview shows how black text looks on a background with the XYZ color 56.9304, 64.0017, 91.0144.



This preview shows how white text looks on a background with the XYZ color 56.9304, 64.0017,



# 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

56.9304, 64.0017, 91.0144

### Protanopia

62.1976, 63.4880, 86.0670

### Deuteranopia

65.0605, 63.7427, 92.8789



## Tritanopia

56.2417, 64.1123, 87.2526

# Trichromacy



## Original Color

56.9304, 64.0017, 91.0144

## Protanomaly

60.0343, 63.4288, 87.6761

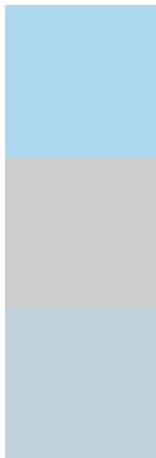
## Deuteranomaly

61.7218, 63.4684, 92.2166

## Tritanomaly

56.5307, 64.2279, 88.7746

# Monochromacy



## Original Color

56.9304, 64.0017, 91.0144

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

57.3172, 61.9481, 74.5819

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9304, 64.0017, 91.0144 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, 216, 239)` looks like.

```
.text, #text, p{  
    color:rgb(171, 216, 239)  
}
```

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, 216, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 216, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9304, 64.0017, 91.0144 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, 216, 239) }
```



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

```
.border{ border-color:rgb(171, 216, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 216, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 216, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 216, 239); box-shadow:4px 4px 4px 4px rgb(171, 216, 239) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9304, 64.0017, 91.0144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 216, 239) }
```

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

```
.background{ background-color: rgb(171,  
216, 239) }
```

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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