

# Converting Colors

XYZ(56.9642, 66.6940, 77.5916)

Have a look what the booklet for  
XYZ(56.9642, 66.6940, 77.5916)  
contains.

<b>XYZ(56.9440, 66.6400, 77.5717)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(56.9440, 66.6400,  
77.5717)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0DEDC
RGB	176, 222, 220
RGB Percent	69%, 87%, 86%
CMY	0.3098, 0.1294, 0.1372
CMYK	0.21, 0.00, 0.01, 0.13
HSL	177°, 41%, 78%
HSV	177°, 21%, 87%
XYZ	56.9440, 66.6400, 77.5717
YIQ	208.0180, -26.7740, -10.3740

# Conversions

## Conversions Part 2

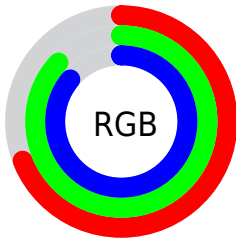
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	176, 200, 222
Decimal	11591388
CIE Lab	85.32, -15.22, -3.93
CIE LCh	85, 15.723, 194.486
Yxy	66.6400, 0.2831, 0.3313
Android (android.graphics.Color)	4289781468 (0xFFB0DEDC)
YUV	208.0180, 5.9071, -28.0798
Hunter-Lab	81.6333, -18.3442, 0.8033

# Details

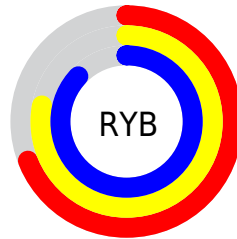
The XYZ color **56.9440, 66.6400, 77.5717** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.6877, 49.7963, 48.9041**, and the grayscale version is **59.9428, 63.0645, 68.6772**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **28.6363, 34.4916, 40.7456** is the 20% darker color. If you saturate the color by 10%, you get **52.2020, 64.2119, 76.6847**, and if you desaturate by 10%, it is **62.5115, 69.4971, 78.5040**.

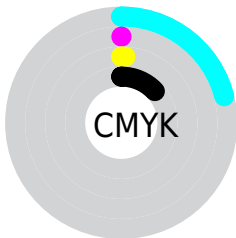
# Distribution



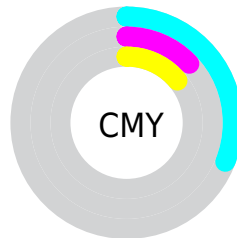
- Red (69%)
- Green (87%)
- Blue (86%)



- Red (69%)
- Yellow (78%)
- Blue (87%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)




- Cyan (31%)
- Magenta (13%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9440, 66.6400, 77.5717 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 56.9440, 66.6400, 77.5717 by changing the saturation by 10% instead.





 56.9440, 66.6400,  
77.5717

 56.9440, 66.6400,  
77.5717

403.2570,  
448.6623, 506.2004

 41.2002, 48.7921,  
57.2079


 99.5153, 114.4044,  
131.7265

 28.6639, 34.4546,  
40.7617


127.0736,  
145.0897, 166.3546

 18.9698, 23.2431,  
27.8146


159.3007,  
180.8230, 206.5745

 11.7523, 14.7731,  
17.9481

196.5621,  
221.9886, 252.8048

 6.6462, 8.6603,  
10.7437

239.2230,  
268.9710, 305.4640

 3.2862, 4.5203,  
5.7828

287.6489,

 1.3069, 1.9686,

322.1544, 364.9706

2.6468

342.2051,  
381.9234, 431.7432

■ 0.1884, 0.5892,  
0.9165

■ 0.0000, 0.0000,  
0.0000

■ 56.9440, 66.6400,  
77.5717

■ 56.9440, 66.6400,  
77.5717

■ 52.2020, 64.2119,  
76.6847

■ 62.5115, 69.4971,  
78.5040

■ 48.2398, 62.1840,  
75.8367

■ 68.9359, 72.7940,  
79.4788

■ 45.0162, 60.5367,  
75.0271

■ 76.2539, 76.5516,  
80.4994

■ 42.4838, 59.2457,  
74.2537

■ 80.7992, 78.8797,  
81.3940

40.5898, 58.2838,  
73.5140

80.9306, 78.9322,  
82.0860

39.2737, 57.6196,  
72.8052

81.0627, 78.9851,  
82.7819

38.4634, 57.2161,  
72.1239

81.1956, 79.0383,  
83.4818

38.0489, 57.0156,  
71.5110

81.3293, 79.0917,  
84.1856

81.4637, 79.1455,  
84.8933

# Harmonies

## Analogous

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



56.9736, 66.6400, 67.4444



56.9440, 66.6400, 77.5717



58.5831, 66.6400, 87.1726

# Triad

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



56.9440, 66.6400, 77.5717



68.2550, 66.6400, 87.4538



65.1868, 66.6400, 55.2712

# Complementary

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



56.9440, 66.6400, 77.5717



53.6877, 49.7963, 48.9041

# 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.



68.3463, 66.6400, 59.6784



56.9440, 66.6400, 77.5717



70.1624, 66.6400, 77.9271

# Square

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



56.9440, 66.6400, 77.5717



65.0660, 66.6400, 93.2299



70.1964, 66.6400, 67.7682



61.6434, 66.6400, 55.1954



# Rectangle

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



56.9440, 66.6400, 77.5717



60.4382, 66.6400, 91.7163



70.1964, 66.6400, 67.7682



66.3319, 66.6400, 56.2754

# Sweetspot

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



56.9459, 66.6427, 77.5732



89.5363, 97.1700, 108.0831



52.3887, 64.8804, 50.8373



19.0417, 20.7354, 23.1155



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

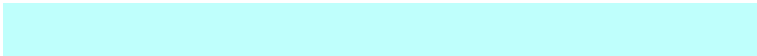


# Same Dimension

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



56.9459, 66.6427, 77.5732



74.9150, 89.6713, 105.6417



52.0478, 56.4194, 77.2573



14.0894, 15.5615, 17.5062



22.6104, 33.8690, 42.5327



1.5753, 2.3509, 2.9908



# Inverse Universe

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



53.6877, 49.7963, 48.9041



69.6659, 62.5269, 59.4512



57.8612, 58.4628, 49.3102



13.7313, 13.7102, 14.3552



17.9352, 9.2411, 1.0584

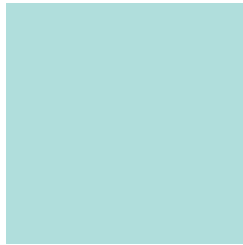


1.2518, 0.6440, 0.1189



# Previews

## White Background



This preview shows how the XYZ color 56.9440, 66.6400, 77.5717 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

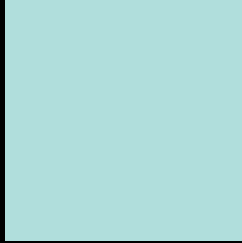
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9440, 66.6400, 77.5717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

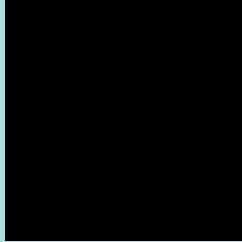
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.9440, 66.6400, 77.5717**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.9440, 66.6400, 77.5717.



This preview shows how white text looks on a background with the XYZ color 56.9440, 66.6400,



# 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

56.9440, 66.6400, 77.5717

### Protanopia

64.0000, 66.5409, 73.0889

### Deuteranopia

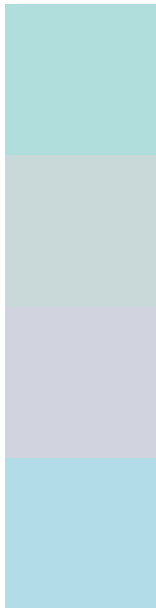
67.3855, 65.9643, 78.9928



## Tritanopia

59.2080, 66.3612, 89.8092

# Trichromacy



**Original Color**

56.9440, 66.6400, 77.5717

**Protanomaly**

61.0379, 66.4871, 74.5820

**Deuteranomaly**

63.0228, 65.9162, 78.5087

**Tritanomaly**

58.3771, 66.4209, 85.3450

# Monochromacy



**Original Color**

56.9440, 66.6400, 77.5717

**Achromatopsia**

59.9535, 63.0757, 68.6895

**Achromatomaly**

58.4429, 64.0777, 71.5753

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9440, 66.6400, 77.5717 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(176, 222, 220)` looks like.

```
.text, #text, p{  
    color:rgb(176, 222, 220)  
}
```

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(176, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 222, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9440, 66.6400, 77.5717 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(176, 222, 220) }
```



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

```
.border{ border-color:rgb(176, 222, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 222, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 222, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 222, 220);  
box-shadow:4px 4px 4px 4px rgb(176, 222,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9440, 66.6400, 77.5717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 222, 220) }
```

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

```
.background{ background-color: rgb(176,  
222, 220) }
```

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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