

# Converting Colors

XYZ(39.6581, 55.4444, 57.3268)

Have a look what the booklet for  
XYZ(39.6581, 55.4444, 57.3268)  
contains.

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# Color

**XYZ(39.6581, 55.4444,  
57.3268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BD7BE
RGB	107, 215, 190
RGB Percent	42%, 84%, 75%
CMY	0.5804, 0.1568, 0.2549
CMYK	0.50, 0.00, 0.12, 0.16
HSL	166°, 57%, 63%
HSV	166°, 50%, 84%
XYZ	39.6581, 55.4444, 57.3268
YIQ	179.8580, -56.3430, -30.6710

# Conversions

## Conversions Part 2

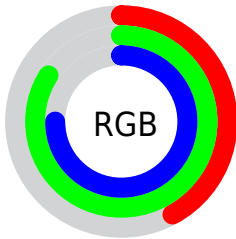
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 168, 215
Decimal	7067582
CIELab	79.30, -37.14, 2.81
CIELCh	79, 37.243, 175.676
Yxy	55.4444, 0.2602, 0.3637
Android (android.graphics.Color)	4285257662 (0xFF6BD7BE)
YUV	179.8580, 5.0000, -63.8965
Hunter-Lab	74.4610, -35.2372, 6.4759

# Details

The XYZ color **39.6581, 55.4444, 57.3268** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.4488, 26.6299, 24.9982**, and the grayscale version is **43.3033, 45.5584, 49.6131**.

A 20% lighter version of the original color is **67.9116, 86.1732, 100.2425**, and **18.1249, 27.4832, 28.0164** is the 20% darker color. If you saturate the color by 10%, you get **36.8531, 54.0615, 54.4049**, and if you desaturate by 10%, it is **43.1274, 57.1703, 60.3792**.

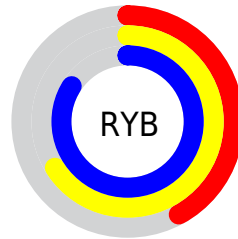
# Distribution



Red (42%)

Green (84%)

Blue (75%)



Red (42%)

Yellow (66%)

Blue (84%)

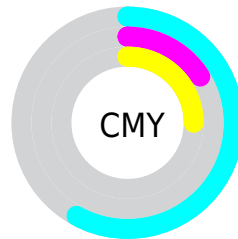


Cyan (50%)

Magenta (0%)

Yellow (12%)

Black (16%)



Cyan (58%)

Magenta (16%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6581, 55.4444, 57.3268 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 39.6581, 55.4444, 57.3268 by changing the saturation by 10% instead.





 39.6581, 55.4444,  
57.3268


 39.6581, 55.4444,  
57.3268


335.8396,  
407.5943, 432.2007


 27.4551, 39.7576,  
40.8566


 73.9303, 98.1918,  
102.4469

 18.0537, 27.3496,  
27.8882


 96.7301, 126.0212,  
131.9339

 11.0884, 17.8360,  
18.0031


 123.7930,  
158.6669, 166.5969

 6.1941, 10.8323,  
10.7827

155.4842,  
196.5133, 206.8544

 3.0052, 5.9542,  
5.8086

192.1691,  
239.9449, 253.1250

 1.1565, 2.8172,  
2.6621

234.2130,

 0.0716, 1.0371,

289.3460, 305.8273

0.9243

281.9814,  
345.1010, 365.3797

■ 0.0000, 0.0000,  
0.0000

■ 39.6581, 55.4444,  
57.3268

■ 39.6581, 55.4444,  
57.3268

■ 36.8531, 54.0615,  
54.4049

■ 43.1274, 57.1703,  
60.3792

■ 34.6589, 52.9901,  
51.6064

■ 47.3001, 59.2553,  
63.5613

■ 33.0216, 52.2036,  
48.9291

■ 52.2176, 61.7221,  
66.8770

■ 31.8751, 51.6680,  
46.3689

■ 57.9168, 64.5896,  
70.3292

■ 31.1139, 51.3278,  
43.9746

■ 64.4321, 67.8757,  
73.9202

■ 71.7959, 71.5969,  
77.6525

■ 79.1106, 75.2905,  
81.4850

■ 79.7991, 75.5659,  
85.1106

■ 80.5076, 75.8493,  
88.8414

# Harmonies

## Analogous

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



41.7244, 55.4444, 40.0538



39.6581, 55.4444, 57.3268



40.8063, 55.4444, 79.9607

# Triad

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



39.6581, 55.4444, 57.3268



59.1562, 55.4444, 105.4416



61.2013, 55.4444, 32.4167

# Complementary

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



39.6581, 55.4444, 57.3268



37.4488, 26.6299, 24.9982

# 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.



66.7016, 55.4444, 44.2722



39.6581, 55.4444, 57.3268



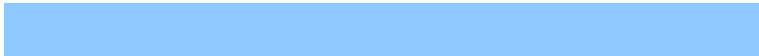
65.4449, 55.4444, 86.6026

# Square

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



39.6581, 55.4444, 57.3268



51.6248, 55.4444, 111.2546



68.3229, 55.4444, 63.5181



53.7864, 55.4444, 27.9895



# Rectangle

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



39.6581, 55.4444, 57.3268



43.3037, 55.4444, 94.7582



68.3229, 55.4444, 63.5181



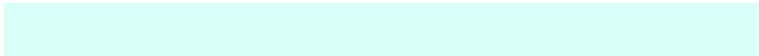
63.3618, 55.4444, 35.5058

# Sweetspot

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



39.6597, 55.4466, 57.3281



80.9578, 92.8962, 100.9694



36.5030, 54.5864, 22.5232



16.9515, 19.6941, 21.3811



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.



39.6597, 55.4466, 57.3281



54.1022, 79.4899, 79.9107



35.9319, 43.2362, 70.7441



12.6635, 14.0564, 15.3083



18.6516, 30.7160, 26.5245



1.1556, 1.8649, 1.7611



# Inverse Universe

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



37.4488, 26.6299, 24.9982



50.5369, 32.5810, 27.4502



39.4560, 33.0623, 18.2130



12.5399, 12.4674, 13.5172



17.1374, 8.7913, 2.7614

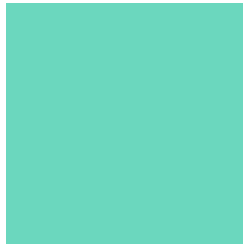


1.0660, 0.5432, 0.3368



# Previews

## White Background



This preview shows how the XYZ color 39.6581, 55.4444, 57.3268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

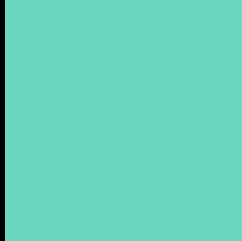
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.6581, 55.4444, 57.3268 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

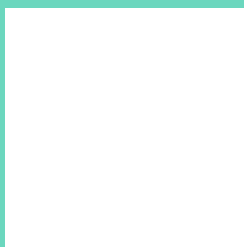
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.6581, 55.4444, 57.3268**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6581, 55.4444, 57.3268.



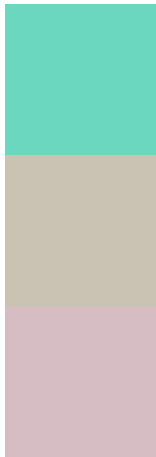
This preview shows how white text looks on a background with the XYZ color 39.6581, 55.4444,



# 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

39.6581, 55.4444, 57.3268

### Protanopia

51.7856, 54.3948, 50.4177

### Deuteranopia

55.8930, 54.6769, 59.8324



## Tritanopia

44.3829, 55.4908, 81.0446

# Trichromacy



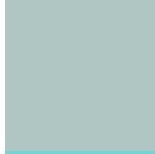
## Original Color

39.6581, 55.4444, 57.3268



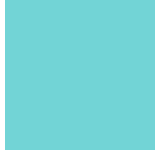
## Protanomaly

45.6041, 53.8754, 52.7952



## Deuteranomaly

47.6109, 53.3972, 58.8363



## Tritanomaly

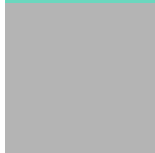
42.6205, 55.5194, 72.0883

# Monochromacy



## Original Color

39.6581, 55.4444, 57.3268



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

40.8586, 48.3729, 52.5308

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6581, 55.4444, 57.3268 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(107, 215, 190)` looks like.

```
.text, #text, p{  
    color:rgb(107, 215, 190)  
}
```

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(107, 215, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 215, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6581, 55.4444, 57.3268 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(107, 215, 190) }
```



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

```
.border{ border-color:rgb(107, 215, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 215, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 215, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 215, 190);  
box-shadow:4px 4px 4px 4px rgb(107, 215,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6581, 55.4444, 57.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 215, 190) }
```

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

```
.background{ background-color: rgb(107,  
215, 190) }
```

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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