

# Converting Colors

XYZ(37.7941, 56.3728, 62.8215)

Have a look what the booklet for  
XYZ(37.7941, 56.3728, 62.8215)  
contains.

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# Color

**XYZ(37.7655, 56.2706,  
62.9037)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CDCC7
RGB	60, 220, 199
RGB Percent	24%, 86%, 78%
CMY	0.7647, 0.1372, 0.2196
CMYK	0.73, 0.00, 0.10, 0.14
HSL	172°, 70%, 55%
HSV	172°, 73%, 86%
XYZ	37.7655, 56.2706, 62.9037
YIQ	169.7660, -88.6190, -40.4510

# Conversions

## Conversions Part 2

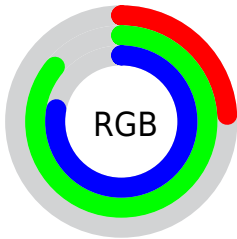
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 146, 220
Decimal	3988679
CIELab	79.77, -45.21, -1.46
CIELCh	80, 45.232, 181.844
Yxy	56.2706, 0.2406, 0.3585
Android (android.graphics.Color)	4282178759 (0xFF3CDCC7)
YUV	169.7660, 14.4124, -96.2648
Hunter-Lab	75.0137, -41.4086, 2.7912

# Details

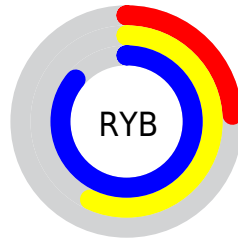
The XYZ color **37.7655, 56.2706, 62.9037** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.6182, 19.0431, 9.7432**, and the grayscale version is **38.0561, 40.0380, 43.6014**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **18.3863, 28.5953, 31.3384** is the 20% darker color. If you saturate the color by 10%, you get **36.3705, 55.5912, 61.1057**, and if you desaturate by 10%, it is **39.7222, 57.2415, 64.7637**.

# Distribution



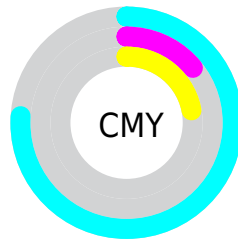
- Red (24%)
- Green (86%)
- Blue (78%)



- Red (24%)
- Yellow (57%)
- Blue (86%)



- Cyan (73%)
- Magenta (0%)
- Yellow (10%)
- Black (14%)




- Cyan (76%)
- Magenta (14%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7655, 56.2706, 62.9037 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 37.7655, 56.2706, 62.9037 by changing the saturation by 10% instead.





 37.7655, 56.2706,  
62.9037


 37.7655, 56.2706,  
62.9037


327.9112,  
410.7105, 453.3182


 25.9771, 40.4199,  
45.3228


 71.0548, 99.4001,  
110.6148


 16.9391, 27.8661,  
31.3670


 93.2864, 127.4477,  
141.5821

 10.2861, 18.2248,  
20.6176


 119.7298,  
160.3298, 177.8486

 5.6528, 11.1115,  
12.6563

 150.7504,  
198.4307, 219.8329

 2.6738, 6.1419,  
7.0644

186.7135,  
242.1348, 267.9534

 0.9837, 2.9315,  
3.4233

227.9844,

 0.0000, 1.0961,

291.8266, 322.6288

1.3146

274.9285,  
347.8903, 384.2776

■ 0.0000, 0.0000,  
0.0737

■ 0.0000, 0.0000,  
0.0000

■ 37.7655, 56.2706,  
62.9037

■ 37.7655, 56.2706,  
62.9037

■ 36.3705, 55.5912,  
61.1057

■ 39.7222, 57.2415,  
64.7637


■ 35.4588, 55.1588,  
59.3621


■ 42.2967, 58.5289,  
66.6848


■ 35.0118, 54.9553,  
58.1242


■ 45.5438, 60.1622,  
68.6709

■ 49.5106, 62.1659,  
70.7245

 54.2403, 64.5620,  
72.8477

 59.7724, 67.3710,  
75.0426

 66.1438, 70.6120,  
77.3110

 73.3889, 74.3026,  
79.6547

 80.4237, 77.8841,  
82.0233

# Harmonies

## Analogous

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



39.4319, 56.2706, 40.4484



37.7655, 56.2706, 62.9037



39.8954, 56.2706, 91.8597

# Triad

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



37.7655, 56.2706, 62.9037



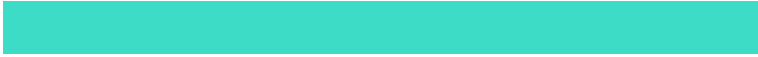
63.3062, 56.2706, 114.7679



62.2160, 56.2706, 26.7345

# Complementary

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



37.7655, 56.2706, 62.9037



32.6182, 19.0431, 9.7432

# 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.



69.8520, 56.2706, 38.3578



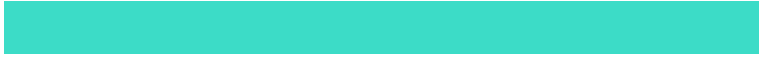
37.7655, 56.2706, 62.9037



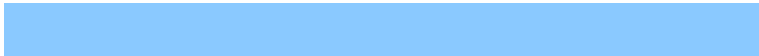
70.5301, 56.2706, 88.2323

# Square

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



37.7655, 56.2706, 62.9037



54.0513, 56.2706, 126.6311



73.0505, 56.2706, 59.6631



52.9198, 56.2706, 23.4649

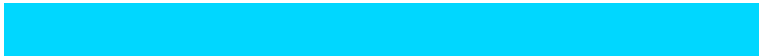


# Rectangle

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



37.7655, 56.2706, 62.9037



43.3404, 56.2706, 110.0032



73.0505, 56.2706, 59.6631



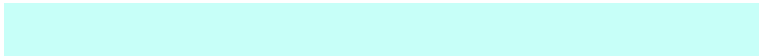
65.0972, 56.2706, 29.5922

# Sweetspot

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



37.7671, 56.2728, 62.9050



76.1735, 90.4032, 101.9459



29.8326, 53.2790, 12.9877



15.8906, 19.1402, 21.6446



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.



37.7671, 56.2728, 62.9050



50.1028, 77.3301, 84.1498



27.5869, 31.7367, 72.3844



13.3675, 14.7986, 16.3981



20.5770, 32.2634, 34.2674



1.3540, 2.0985, 2.3300



# Inverse Universe

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



32.6182, 19.0431, 9.7432



42.6650, 22.7068, 6.7307



36.8901, 28.6586, 7.8635



13.1253, 13.0792, 13.9209



17.4744, 8.9908, 1.6125

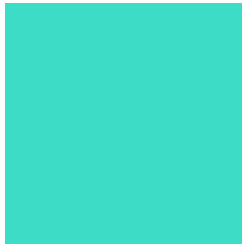


1.1552, 0.5917, 0.2263



# Previews

## White Background



This preview shows how the XYZ color 37.7655, 56.2706, 62.9037 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

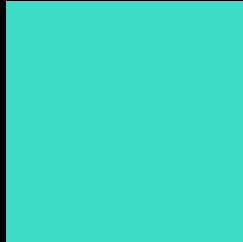
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7655, 56.2706, 62.9037 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

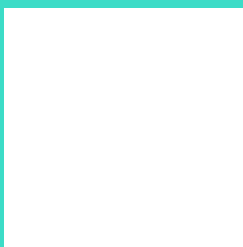
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.7655, 56.2706, 62.9037**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7655, 56.2706, 62.9037.



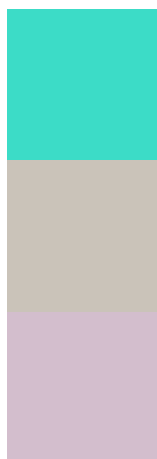
This preview shows how white text looks on a background with the XYZ color 37.7655, 56.2706,



# 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

37.7655, 56.2706, 62.9037

### Protanopia

52.6292, 55.0896, 53.7584

### Deuteranopia

56.2969, 55.0836, 65.4226



## Tritanopia

42.2329, 56.1463, 85.7022

# Trichromacy



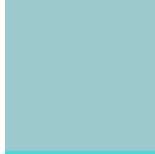
## Original Color

37.7655, 56.2706, 62.9037



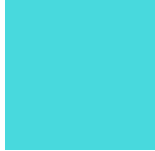
## Protanomaly

43.4648, 53.3875, 56.7292



## Deuteranomaly

45.3764, 53.1530, 64.3679



## Tritanomaly

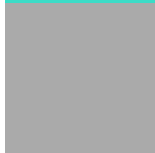
40.5365, 56.2239, 77.1224

# Monochromacy



## Original Color

37.7655, 56.2706, 62.9037



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

35.5296, 44.0485, 50.3457

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7655, 56.2706, 62.9037 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(60, 220, 199)` looks like.

```
.text, #text, p{  
    color:rgb(60, 220, 199)  
}
```

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(60, 220, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 220, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7655, 56.2706, 62.9037 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(60, 220, 199) }
```



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

```
.border{ border-color:rgb(60, 220, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 220, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 220, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 220, 199);  
box-shadow:4px 4px 4px 4px rgb(60, 220,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7655, 56.2706, 62.9037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 220, 199) }
```

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

```
.background{ background-color: rgb(60, 220,  
199) }
```

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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