

# Converting Colors

XYZ(38.0266, 56.5302, 60.4917)

Have a look what the booklet for  
XYZ(38.0266, 56.5302, 60.4917)  
contains.

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# Color

**XYZ(37.9693, 56.4286,  
60.5204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46DCC3
RGB	70, 220, 195
RGB Percent	27%, 86%, 76%
CMY	0.7255, 0.1372, 0.2353
CMYK	0.68, 0.00, 0.11, 0.14
HSL	170°, 68%, 57%
HSV	170°, 68%, 86%
XYZ	37.9693, 56.4286, 60.5204
YIQ	172.3000, -81.3750, -39.5750

# Conversions

## Conversions Part 2

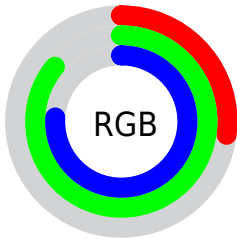
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 152, 220
Decimal	4644035
CIELab	79.86, -44.93, 0.83
CIELCh	80, 44.942, 178.942
Yxy	56.4286, 0.2451, 0.3642
Android (android.graphics.Color)	4282834115 (0xFF46DCC3)
YUV	172.3000, 11.1911, -89.7171
Hunter-Lab	75.1190, -41.2344, 4.8157

# Details

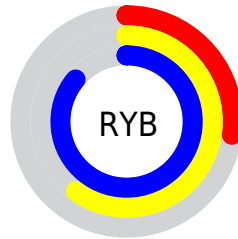
The XYZ color **37.9693, 56.4286, 60.5204** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.7728, 20.4237, 12.9907**, and the grayscale version is **39.3409, 41.3897, 45.0734**.

A 20% lighter version of the original color is **63.3259, 83.7193, 104.0886**, and **18.0832, 28.4740, 29.7423** is the 20% darker color. If you saturate the color by 10%, you get **36.2542, 55.5931, 58.3033**, and if you desaturate by 10%, it is **40.2788, 57.5721, 62.8210**.

# Distribution



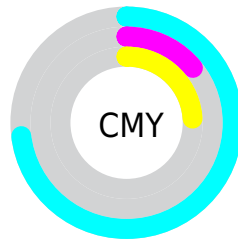
- Red (27%)
- Green (86%)
- Blue (76%)



- Red (27%)
- Yellow (60%)
- Blue (86%)



- Cyan (68%)
- Magenta (0%)
- Yellow (11%)
- Black (14%)




- Cyan (73%)
- Magenta (14%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9693, 56.4286, 60.5204 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 37.9693, 56.4286, 60.5204 by changing the saturation by 10% instead.





 37.9693, 56.4286,  
60.5204


 37.9693, 56.4286,  
60.5204


328.7714,  
411.3047, 444.3711


 26.1360, 40.5467,  
43.4102


 71.3653, 99.6310,  
107.1350


 17.0586, 27.9650,  
29.8733


 93.6586, 127.7202,  
137.4764

 10.3718, 18.2993,  
19.4912

 120.1694,  
160.6473, 173.0653

 5.7103, 11.1651,  
11.8454

 151.2629,  
198.7966, 214.3202

 2.7087, 6.1780,  
6.5172

187.3045,  
242.5527, 261.6597

 1.0017, 2.9536,  
3.0882

228.6595,

 0.0000, 1.1076,

292.2998, 315.5024

1.1399

275.6934,  
348.4223, 376.2666

■ 0.0000, 0.0000,  
0.0000

■ 37.9693, 56.4286,  
60.5204

■ 37.9693, 56.4286,  
60.5204

■ 36.2542, 55.5931,  
58.3033

■ 40.2788, 57.5721,  
62.8210

■ 35.0616, 55.0244,  
56.1621

■ 43.2350, 59.0463,  
65.2042


■ 34.2960, 54.6748,  
54.0934


■ 46.8897, 60.8795,  
67.6739


■ 34.1761, 54.6210,  
53.7232


■ 51.2881, 63.0949,  
70.2328

■ 56.4716, 65.7138,  
72.8830

 62.4786, 68.7560,  
75.6267

 69.3448, 72.2399,  
78.4660

 77.1040, 76.1830,  
81.4027

 80.8384, 78.0500,  
84.2072

# Harmonies

## Analogous

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



39.9948, 56.4286, 39.0407



37.9693, 56.4286, 60.5204



39.7297, 56.4286, 89.0287

# Triad

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



37.9693, 56.4286, 60.5204



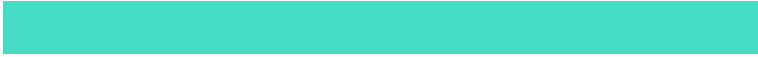
62.5567, 56.4286, 116.5698



63.1789, 56.4286, 27.7292

# Complementary

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



37.9693, 56.4286, 60.5204



33.7728, 20.4237, 12.9907

# 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.



70.4534, 56.4286, 40.2374



37.9693, 56.4286, 60.5204



70.0666, 56.4286, 91.0969

# Square

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



37.9693, 56.4286, 60.5204



53.3112, 56.4286, 126.4152



73.1041, 56.4286, 62.3712



53.9575, 56.4286, 23.7173



# Rectangle

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



37.9693, 56.4286, 60.5204



42.9401, 56.4286, 107.5153



73.1041, 56.4286, 62.3712



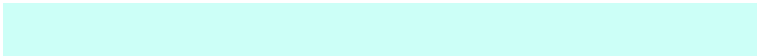
65.9698, 56.4286, 30.8663

# Sweetspot

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



37.9709, 56.4308, 60.5217



77.3731, 91.0419, 101.0859



31.6837, 54.1998, 14.5872



16.1109, 19.2592, 21.4107



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.



37.9709, 56.4308, 60.5217



49.8199, 77.2736, 80.1016



30.2937, 36.1673, 73.0969



13.3468, 14.7904, 16.2892



20.0925, 32.0696, 31.7164



1.3270, 2.0877, 2.1879



# Inverse Universe

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



33.7728, 20.4237, 12.9907



43.6891, 23.7966, 10.0267



37.0423, 28.4992, 9.3440



13.1441, 13.0868, 14.0203



17.5427, 9.0181, 1.9722

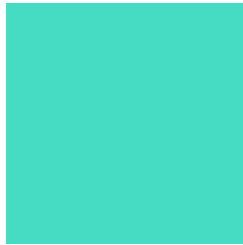


1.1641, 0.5953, 0.2732



# Previews

## White Background



This preview shows how the XYZ color 37.9693, 56.4286, 60.5204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

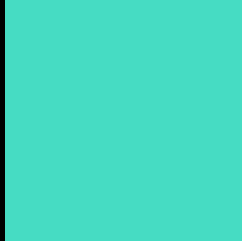
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.9693, 56.4286, 60.5204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

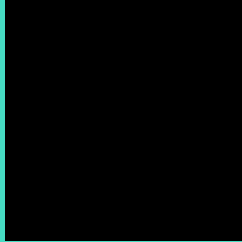
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

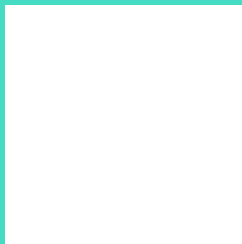
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 37.9693, 56.4286, 60.5204

## Background



This preview shows how black text looks on a background with the XYZ color 37.9693, 56.4286, 60.5204.



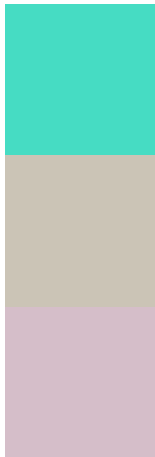
This preview shows how white text looks on a background with the XYZ color 37.9693, 56.4286,



# 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

37.9693, 56.4286, 60.5204

### Protanopia

52.8120, 55.5538, 52.1954

### Deuteranopia

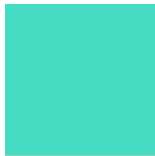
56.3966, 55.1901, 62.9387



## Tritanopia

42.8904, 56.5018, 84.9893

# Trichromacy



## Original Color

37.9693, 56.4286, 60.5204



## Protanomaly

44.3185, 54.2191, 55.1432



## Deuteranomaly

45.8934, 53.4739, 61.9355



## Tritanomaly

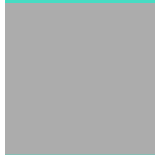
40.9924, 56.4895, 75.7609

# Monochromacy



## Original Color

37.9693, 56.4286, 60.5204



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

36.4275, 44.8414, 49.9153

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9693, 56.4286, 60.5204 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(70, 220, 195)` looks like.

```
.text, #text, p{  
    color:rgb(70, 220, 195)  
}
```

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(70, 220, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 220, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9693, 56.4286, 60.5204 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(70, 220, 195) }
```



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

```
.border{ border-color:rgb(70, 220, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 220, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 220, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 220, 195);  
box-shadow:4px 4px 4px 4px rgb(70, 220,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9693, 56.4286, 60.5204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 220, 195) }
```

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

```
.background{ background-color: rgb(70, 220,  
195) }
```

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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