

# Converting Colors

XYZ(37.9107, 51.6554, 56.6358)

Have a look what the booklet for  
XYZ(37.9107, 51.6554, 56.6358)  
contains.

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# Color

**XYZ(37.9138, 51.5946,  
56.6757)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DCFBE
RGB	109, 207, 190
RGB Percent	43%, 81%, 75%
CMY	0.5725, 0.1882, 0.2549
CMYK	0.47, 0.00, 0.08, 0.19
HSL	170°, 51%, 62%
HSV	170°, 47%, 81%
XYZ	37.9138, 51.5946, 56.6757
YIQ	175.7600, -52.9510, -26.0630

# Conversions

## Conversions Part 2

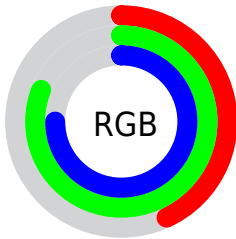
Format	Color
<a href="#">RYB</a>	<a href="#">109, 163, 207</a>
Decimal	<a href="#">7196606</a>
CIELab	<a href="#">77.04, -32.96, -0.47</a>
CIELCh	<a href="#">77, 32.965, 180.821</a>
Yxy	<a href="#">51.5946, 0.2594, 0.3529</a>
Android (android.graphics.Color)	<a href="#">4285386686</a> ( <a href="#">0xFF6DCFBE</a> )
YUV	<a href="#">175.7600, 7.0203, -58.5485</a>
Hunter-Lab	<a href="#">71.8294, -31.4835, 3.4988</a>

# Details

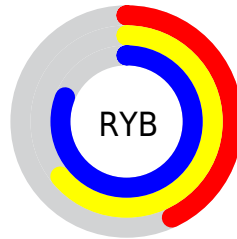
The XYZ color **37.9138, 51.5946, 56.6757** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.9685, 25.7105, 22.8602**, and the grayscale version is **41.1275, 43.2694, 47.1203**.

A 20% lighter version of the original color is **68.1204, 86.2808, 100.2523**, and **17.0102, 24.9156, 27.5796** is the 20% darker color. If you saturate the color by 10%, you get **35.2736, 50.2796, 54.5292**, and if you desaturate by 10%, it is **41.1662, 53.2266, 58.9036**.

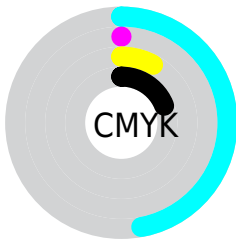
# Distribution



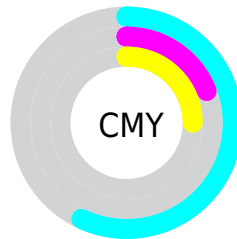
- Red (43%)
- Green (81%)
- Blue (75%)



- Red (43%)
- Yellow (64%)
- Blue (81%)



- Cyan (47%)
- Magenta (0%)
- Yellow (8%)
- Black (19%)




- Cyan (57%)
- Magenta (19%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9138, 51.5946, 56.6757 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 37.9138, 51.5946, 56.6757 by changing the saturation by 10% instead.





 37.9138, 51.5946,  
56.6757


 37.9138, 51.5946,  
56.6757


328.5373,  
392.8695, 429.6927

 26.0927, 36.6820,  
40.3373


 71.2807, 92.5331,  
101.4875

 17.0260, 24.9614,  
27.4858


 93.5573, 119.3278,  
130.7979

 10.3485, 16.0483,  
17.7028


 120.0497,  
150.8520, 165.2695

 5.6947, 9.5583,  
10.5696

151.1234,  
187.4901, 205.3207

 2.6992, 5.1071,  
5.6677

187.1436,  
229.6266, 251.3700

 0.9968, 2.3103,  
2.5786

228.4758,

 0.0000, 0.7791,

277.6457, 303.8361

0.8814

275.4852,  
331.9319, 363.1375

■ 0.0000, 0.0000,  
0.0000

■ 37.9138, 51.5946,  
56.6757

■ 37.9138, 51.5946,  
56.6757

■ 35.2736, 50.2796,  
54.5292

■ 41.1662, 53.2266,  
58.9036

■ 33.1984, 49.2535,  
52.4581

■ 45.0651, 55.1896,  
61.2115

■ 31.6412, 48.4933,  
50.4611


■ 49.6474, 57.5036,  
63.6026

■ 30.5454, 47.9699,  
48.5351


■ 54.9458, 60.1857,  
66.0788


■ 29.8333, 47.6432,  
46.6760


■ 60.9911, 63.2517,  
68.6418

 29.6730, 47.5711,  
46.1915

 67.8122, 66.7165,  
71.2933

 75.4363, 70.5941,  
74.0350

 76.3046, 70.9878,  
76.5134

 76.7819, 71.1787,  
79.0268

# Harmonies

## Analogous

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



39.2202, 51.5946, 40.9277



37.9138, 51.5946, 56.6757



39.3697, 51.5946, 75.8570

# Triad

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



37.9138, 51.5946, 56.6757



55.4999, 51.5946, 91.4781



55.1744, 51.5946, 31.0398

# Complementary

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



37.9138, 51.5946, 56.6757



34.9685, 25.7105, 22.8602

# 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.



60.1747, 51.5946, 40.2354



37.9138, 51.5946, 56.6757



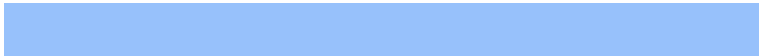
60.3737, 51.5946, 74.8112

# Square

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



37.9138, 51.5946, 56.6757



49.2127, 51.5946, 98.4115



62.1522, 51.5946, 55.6827



48.8660, 51.5946, 28.1758



# Rectangle

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



37.9138, 51.5946, 56.6757



41.7892, 51.5946, 87.5293



62.1522, 51.5946, 55.6827



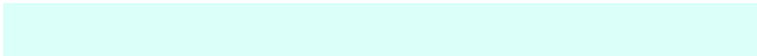
57.0825, 51.5946, 33.3799

# Sweetspot

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



37.9153, 51.5966, 56.6769



82.1325, 93.4541, 103.1739



33.8222, 50.2414, 22.3840



17.1988, 19.8103, 21.8999



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.



37.9153, 51.5966, 56.6769



56.3994, 80.5136, 87.2714



33.0896, 38.7957, 64.7781



12.0667, 13.3704, 14.7074



18.7257, 29.9832, 29.2654



1.0708, 1.6860, 1.7614



# Inverse Universe

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



34.9685, 25.7105, 22.8602



51.1420, 34.0820, 26.7556



37.8772, 33.1371, 18.8688



11.8913, 11.8412, 12.7032



16.4366, 8.4475, 1.9395

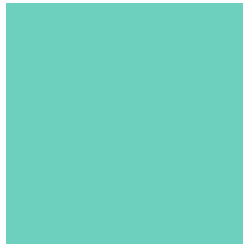


0.9453, 0.4828, 0.2466



# Previews

## White Background



This preview shows how the XYZ color 37.9138, 51.5946, 56.6757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

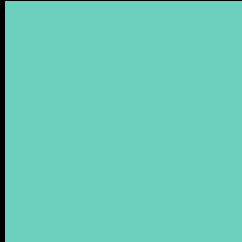
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.9138, 51.5946, 56.6757 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

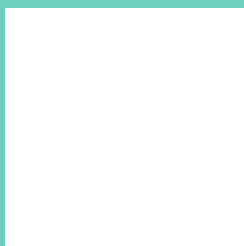
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.9138, 51.5946, 56.6757**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.9138, 51.5946, 56.6757.



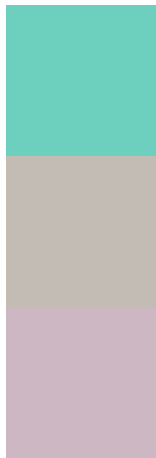
This preview shows how white text looks on a background with the XYZ color 37.9138, 51.5946,



# 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

37.9138, 51.5946, 56.6757

### Protanopia

48.7271, 50.8638, 50.4295

### Deuteranopia

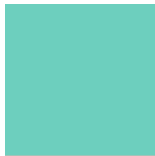
51.9607, 50.7862, 58.6939



## Tritanopia

41.6133, 51.6779, 74.7994

# Trichromacy



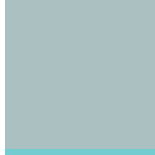
## Original Color

37.9138, 51.5946, 56.6757



## Protanomaly

43.4767, 50.3834, 52.7809



## Deuteranomaly

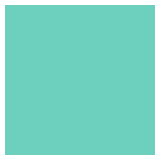
45.0528, 50.0956, 57.7470



## Tritanomaly

40.0483, 51.3846, 67.4820

# Monochromacy



## Original Color

37.9138, 51.5946, 56.6757



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

39.0597, 45.5522, 50.4499

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9138, 51.5946, 56.6757 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(109, 207, 190)` looks like.

```
.text, #text, p{  
    color:rgb(109, 207, 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(109, 207, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 207, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9138, 51.5946, 56.6757 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(109, 207, 190) }
```



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

```
.border{ border-color:rgb(109, 207, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 207, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 207, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 207, 190);  
box-shadow:4px 4px 4px 4px rgb(109, 207,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9138, 51.5946, 56.6757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 207, 190) }
```

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

```
.background{ background-color: rgb(109,  
207, 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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