

# Converting Colors

XYZ(37.3111, 50.6501, 55.4958)

Have a look what the booklet for  
XYZ(37.3111, 50.6501, 55.4958)  
contains.

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# Color

**XYZ(37.2151, 50.5447,  
55.3716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DCDBC
RGB	109, 205, 188
RGB Percent	43%, 80%, 74%
CMY	0.5725, 0.1961, 0.2627
CMYK	0.47, 0.00, 0.08, 0.20
HSL	169°, 49%, 62%
HSV	169°, 47%, 80%
XYZ	37.2151, 50.5447, 55.3716
YIQ	174.3580, -51.7590, -25.6390

# Conversions

## Conversions Part 2

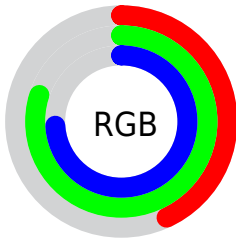
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 162, 205
Decimal	7196092
CIELab	76.40, -32.50, -0.32
CIELCh	76, 32.499, 180.572
Yxy	50.5447, 0.2600, 0.3531
Android (android.graphics.Color)	4285386172 (0xFF6DCDBC)
YUV	174.3580, 6.7255, -57.3190
Hunter-Lab	71.0948, -30.9787, 3.5888

# Details

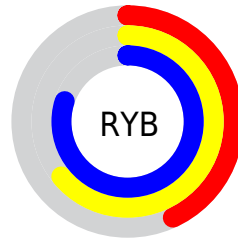
The XYZ color **37.2151, 50.5447, 55.3716** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.4131, 25.4242, 22.8341**, and the grayscale version is **40.4030, 42.5071, 46.2902**.

A 20% lighter version of the original color is **67.8150, 86.1586, 98.6440**, and **16.5949, 24.2401, 26.7258** is the 20% darker color. If you saturate the color by 10%, you get **34.5951, 49.2400, 53.2324**, and if you desaturate by 10%, it is **40.4359, 52.1605, 57.5926**.

# Distribution



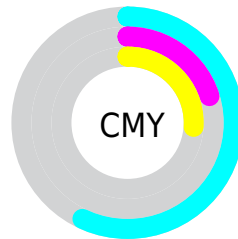
- Red (43%)
- Green (80%)
- Blue (74%)



- Red (43%)
- Yellow (64%)
- Blue (80%)



- Cyan (47%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)



- Cyan (57%)
- Magenta (20%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2151, 50.5447, 55.3716 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 37.2151, 50.5447, 55.3716 by changing the saturation by 10% instead.



■ 37.2151, 50.5447,  
55.3716

■ 37.2151, 50.5447,  
55.3716

325.5802,  
388.7922, 424.6406

■ 25.5485, 35.8464,  
39.2987

■ 70.2152, 90.9814,  
99.5618

■ 16.6171, 24.3156,  
26.6826

■ 92.2794, 117.4886,  
128.5162

■ 10.0555, 15.5679,  
17.1046

■ 118.5401,  
148.7009, 162.6015

■ 5.4983, 9.2189,  
10.1464

149.3629,  
185.0026, 202.2362

■ 2.5802, 4.8842,  
5.3892

185.1129,  
226.7782, 247.8390

■ 0.9359, 2.1795,  
2.4147

226.1555,

■ 0.0000, 0.7088,

274.4121, 299.8283

0.7944

272.8562,  
328.2886, 358.6226

■ 0.0000, 0.0000,  
0.0000

■ 37.2151, 50.5447,  
55.3716

■ 37.2151, 50.5447,  
55.3716

■ 34.5951, 49.2400,  
53.2324

■ 40.4359, 52.1605,  
57.5926

■ 32.5301, 48.2189,  
51.1690

■ 44.2907, 54.1008,  
59.8939

■ 30.9745, 47.4594,  
49.1802


■ 48.8155, 56.3853,  
62.2787


■ 29.8735, 46.9331,  
47.2629

■ 54.0422, 59.0305,  
64.7489


■ 29.1549, 46.6028,  
45.4135


■ 60.0006, 62.0518,  
67.3062

 28.9651, 46.5175,  
44.8390

 66.7189, 65.4636,  
69.9522

 74.2238, 69.2797,  
72.6886

 75.6027, 69.9366,  
75.1923

 76.0804, 70.1277,  
77.7080

# Harmonies

## Analogous

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



38.5092, 50.5447, 40.0898



37.2151, 50.5447, 55.3716



38.6106, 50.5447, 74.0039

# Triad

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



37.2151, 50.5447, 55.3716



54.2744, 50.5447, 89.4241



54.0540, 50.5447, 30.6034

# Complementary

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



37.2151, 50.5447, 55.3716



34.4131, 25.4242, 22.8341

# 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.



58.8946, 50.5447, 39.6200



37.2151, 50.5447, 55.3716



59.0292, 50.5447, 73.2965

# Square

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



37.2151, 50.5447, 55.3716



48.1588, 50.5447, 96.0499



60.7863, 50.5447, 54.6989



47.9239, 50.5447, 27.7589



# Rectangle

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



37.2151, 50.5447, 55.3716



40.9527, 50.5447, 85.3645



60.7863, 50.5447, 54.6989



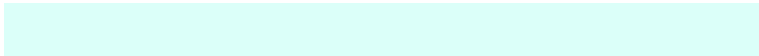
55.9039, 50.5447, 32.9032

# Sweetspot

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



37.2165, 50.5467, 55.3728



82.1123, 93.4461, 103.0680



33.2861, 49.2502, 22.2209



17.1939, 19.8084, 21.8738



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.



37.2165, 50.5467, 55.3728



56.7097, 80.6747, 87.2320



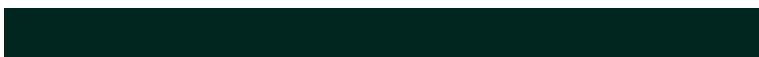
32.5799, 38.1652, 63.4094



11.4547, 12.6916, 13.9518



18.0629, 28.9705, 28.0798



0.9548, 1.5037, 1.5694



# Inverse Universe

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



34.4131, 25.4242, 22.8341



51.6069, 34.7128, 27.8321



37.2295, 32.6662, 18.8120



11.2921, 11.2456, 12.0728



15.8997, 8.1705, 1.9246

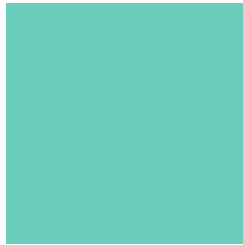


0.8457, 0.4317, 0.2333



# Previews

## White Background



This preview shows how the XYZ color 37.2151, 50.5447, 55.3716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

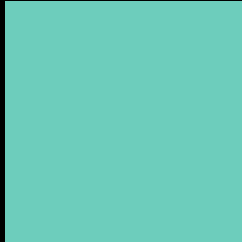
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.2151, 50.5447, 55.3716 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

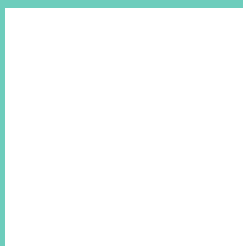
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.2151, 50.5447, 55.3716**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2151, 50.5447, 55.3716.



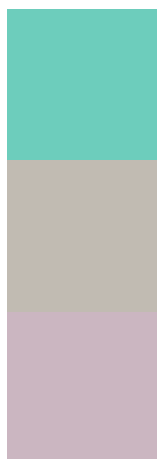
This preview shows how white text looks on a background with the XYZ color 37.2151, 50.5447,



# 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

37.2151, 50.5447, 55.3716

### Protanopia

47.7985, 50.0925, 49.2690

### Deuteranopia

50.9822, 50.0027, 57.4165



## Tritanopia

40.8822, 50.6346, 73.2644

# Trichromacy



**Original Color**

37.2151, 50.5447, 55.3716

**Protanomaly**

42.6356, 49.6424, 51.5908

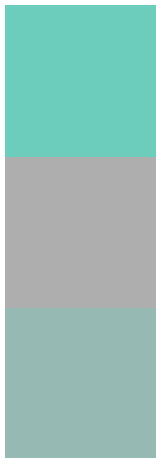
**Deuteranomaly**

44.1796, 49.0235, 56.4242

**Tritanomaly**

39.3313, 50.3421, 66.0365

# Monochromacy



**Original Color**

37.2151, 50.5447, 55.3716

**Achromatopsia**

40.2316, 42.3268, 46.0938

**Achromatomaly**

38.0633, 44.4366, 49.2188

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2151, 50.5447, 55.3716 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, 205, 188)` looks like.

```
.text, #text, p{  
    color:rgb(109, 205, 188)  
}
```

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, 205, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 205, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2151, 50.5447, 55.3716 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, 205, 188) }
```



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

```
.border{ border-color:rgb(109, 205, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 205, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 205, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 205, 188); box-shadow:4px 4px 4px 4px rgb(109, 205, 188) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2151, 50.5447, 55.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 205, 188) }
```

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

```
.background{ background-color: rgb(109,  
205, 188) }
```

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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