

# Converting Colors

XYZ(37.7757, 52.5048, 53.1836)

Have a look what the booklet for  
XYZ(37.7757, 52.5048, 53.1836)  
contains.

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# Color

**XYZ(37.6544, 52.2710,  
52.9045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DD1B7
RGB	109, 209, 183
RGB Percent	43%, 82%, 72%
CMY	0.5725, 0.1804, 0.2823
CMYK	0.48, 0.00, 0.12, 0.18
HSL	164°, 52%, 62%
HSV	164°, 48%, 82%
XYZ	37.6544, 52.2710, 52.9045
YIQ	176.1360, -51.2540, -29.2860

# Conversions

## Conversions Part 2

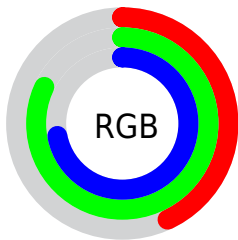
Format	Color
<a href="#">RYB</a>	<a href="#">109, 166, 209</a>
Decimal	<a href="#">7197111</a>
CIELab	<a href="#">77.44, -35.55, 3.88</a>
CIELCh	<a href="#">77, 35.758, 173.777</a>
Yxy	<a href="#">52.2710, 0.2636, 0.3660</a>
Android (android.graphics.Color)	<a href="#">4285387191</a> ( <a href="#">0xFF6DD1B7</a> )
YUV	<a href="#">176.1360, 3.3840, -58.8783</a>
Hunter-Lab	<a href="#">72.2987, -33.5568, 7.2237</a>

# Details

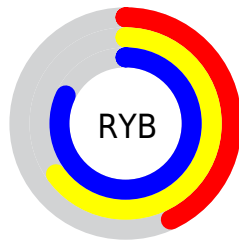
The XYZ color **37.6544, 52.2710, 52.9045** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.1381, 26.2433, 26.0845**, and the grayscale version is **41.3411, 43.4940, 47.3650**.

A 20% lighter version of the original color is **67.0659, 85.8590, 94.6991**, and **16.8515, 25.3759, 25.1290** is the 20% darker color. If you saturate the color by 10%, you get **34.8281, 50.8794, 49.8771**, and if you desaturate by 10%, it is **41.1167, 53.9906, 56.0780**.

# Distribution



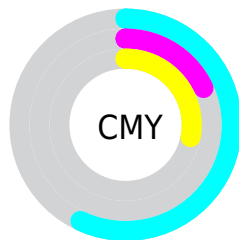
- Red (43%)
- Green (82%)
- Blue (72%)



- Red (43%)
- Yellow (65%)
- Blue (82%)



- Cyan (48%)
- Magenta (0%)
- Yellow (12%)
- Black (18%)




- Cyan (57%)
- Magenta (18%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6544, 52.2710, 52.9045 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 37.6544, 52.2710, 52.9045 by changing the saturation by 10% instead.





 37.6544, 52.2710,  
52.9045


 37.6544, 52.2710,  
52.9045


327.4417,  
395.4819, 414.9745


 25.8906, 37.2211,  
37.3393


 70.8854, 93.5308,  
95.9039

 16.8740, 25.3787,  
25.1725


 93.0833, 120.5095,  
124.1753

 10.2395, 16.3595,  
15.9854


 119.4900,  
152.2333, 157.5192

 5.6215, 9.7789,  
9.3596

150.4707,  
189.0865, 196.3540

 2.6548, 5.2526,  
4.8765

186.3909,  
231.4536, 241.0985

 0.9740, 2.3962,  
2.1175


227.6159,


 0.0000, 0.8239,


279.7189, 292.1710


0.6262


274.5110,  
334.2669, 349.9902


 0.0000, 0.0000,  
0.0000


 37.6544, 52.2710,  
52.9045


 37.6544, 52.2710,  
52.9045


 34.8281, 50.8794,  
49.8771


 41.1167, 53.9906,  
56.0780


 32.5892, 49.7868,  
46.9888


 45.2506, 56.0525,  
59.3971


 30.8889, 48.9694,  
44.2372


 50.0941, 58.4777,  
62.8658


 29.6685, 48.3970,  
41.6182


 55.6811, 61.2835,  
66.4871


 28.8440, 48.0262,  
39.1265


 62.0433, 64.4863,  
70.2636

 28.6891, 47.9578,  
38.6050

 69.2105, 68.1015,  
74.1979

 77.0982, 72.0854,  
78.2871

 77.8344, 72.3799,  
82.1640

 78.5943, 72.6839,  
86.1655

# Harmonies

## Analogous

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



39.7534, 52.2710, 37.3289



37.6544, 52.2710, 52.9045



38.5300, 52.2710, 73.6015

# Triad

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



37.6544, 52.2710, 52.9045



55.2103, 52.2710, 99.1150



57.9188, 52.2710, 31.4894

# Complementary

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



37.6544, 52.2710, 52.9045



36.1381, 26.2433, 26.0845

# 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.



62.8017, 52.2710, 42.9615



37.6544, 52.2710, 52.9045



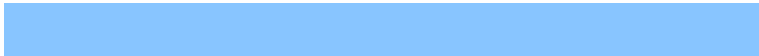
61.1397, 52.2710, 82.3739

# Square

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



37.6544, 52.2710, 52.9045



48.2615, 52.2710, 103.5113



64.0316, 52.2710, 61.1216



51.1302, 52.2710, 26.9419



# Rectangle

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



37.6544, 52.2710, 52.9045



40.7271, 52.2710, 87.3655



64.0316, 52.2710, 61.1216



59.8618, 52.2710, 34.5153

# Sweetspot

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



37.6559, 52.2731, 52.9057



81.6549, 93.2631, 100.6594



35.6617, 51.9136, 22.6098



17.0816, 19.7635, 21.2827



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.



37.6559, 52.2731, 52.9057



54.6982, 79.8331, 78.3128



35.3057, 42.8341, 66.7309



12.0216, 13.3524, 14.4703



17.7304, 29.5851, 24.0239



1.0228, 1.6668, 1.5090



# Inverse Universe

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



36.1381, 26.2433, 26.0845



52.0796, 34.4570, 31.6926



37.3530, 31.2541, 18.5329



11.9331, 11.8580, 12.9236



16.6625, 8.5379, 3.1292

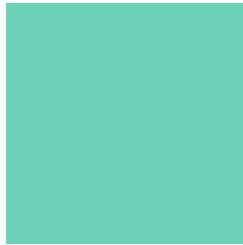


0.9647, 0.4906, 0.3487



# Previews

## White Background



This preview shows how the XYZ color 37.6544, 52.2710, 52.9045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

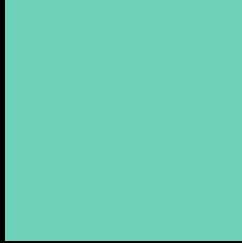
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.6544, 52.2710, 52.9045 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

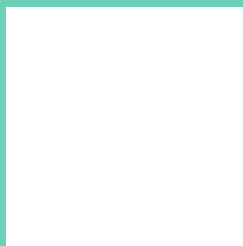
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.6544, 52.2710, 52.9045**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6544, 52.2710, 52.9045.



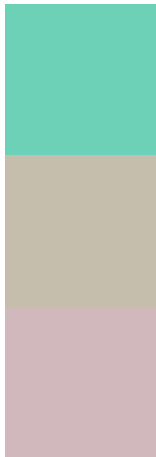
This preview shows how white text looks on a background with the XYZ color 37.6544, 52.2710,



# 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

37.6544, 52.2710, 52.9045

### Protanopia

49.2450, 51.8498, 46.9477

### Deuteranopia

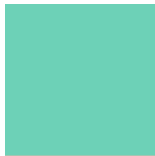
52.5121, 51.4671, 54.7434



## Tritanopia

42.2569, 52.3461, 75.5868

# Trichromacy



## Original Color

37.6544, 52.2710, 52.9045



## Protanomaly

43.6279, 51.2138, 49.1808



## Deuteranomaly

45.1665, 50.5693, 53.8347



## Tritanomaly

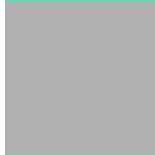
40.5363, 52.3606, 67.0016

# Monochromacy



## Original Color

37.6544, 52.2710, 52.9045



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

39.0688, 45.8965, 49.4476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6544, 52.2710, 52.9045 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, 209, 183)` looks like.

```
.text, #text, p{  
    color:rgb(109, 209, 183)  
}
```

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, 209, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 209, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6544, 52.2710, 52.9045 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, 209, 183) }
```



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

```
.border{ border-color:rgb(109, 209, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 209, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 209, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 209, 183);  
box-shadow:4px 4px 4px 4px rgb(109, 209,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6544, 52.2710, 52.9045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 209, 183) }
```

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

```
.background{ background-color: rgb(109,  
209, 183) }
```

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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