

Converting Colors

XYZ(37.5620, 52.9319, 70.5265)

Have a look what the booklet for
XYZ(37.5620, 52.9319, 70.5265)
contains.

XYZ(37.5415, 52.9304, 70.5253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.5415, 52.9304,
70.5253)**

Conversions

Conversions Part 1

Format	Color
Hex	40D4D4
RGB	64, 212, 212
RGB Percent	25%, 83%, 83%
CMY	0.7490, 0.1686, 0.1686
CMYK	0.70, 0.00, 0.00, 0.17
HSL	180°, 63%, 54%
HSV	180°, 70%, 83%
XYZ	37.5415, 52.9304, 70.5253
YIQ	167.7480, -88.2080, -31.3760

Conversions

Conversions Part 2

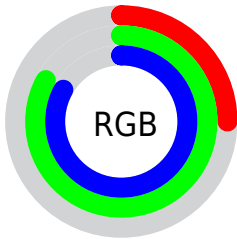
Format	Color
RYB	64, 138, 212
Decimal	4248788
CIELab	77.83, -37.60, -11.26
CIELCh	78, 39.252, 196.674
Yxy	52.9304, 0.2332, 0.3288
Android (android.graphics.Color)	4282438868 (0xFF40D4D4)
YUV	167.7480, 21.8162, -90.9870
Hunter-Lab	72.7533, -35.2103, -6.5470

Details

The XYZ color **37.5415, 52.9304, 70.5253** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.9120, 18.0357, 6.7569**, and the grayscale version is **37.0254, 38.9536, 42.4204**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **18.1428, 26.5483, 36.0664** is the 20% darker color. If you saturate the color by 10%, you get **36.4164, 52.3515, 70.4737**, and if you desaturate by 10%, it is **39.1936, 53.7832, 70.6040**.

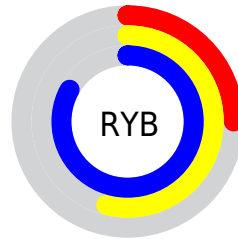
Distribution



Red (25%)

Green (83%)

Blue (83%)



Red (25%)

Yellow (54%)

Blue (83%)

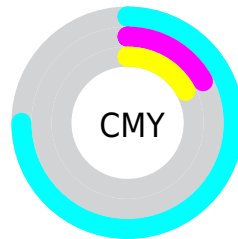


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (17%)



Cyan (75%)

Magenta (17%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5415, 52.9304, 70.5253 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 37.5415, 52.9304, 70.5253 by changing the saturation by 10% instead.

37.5415, 52.9304,
70.5253

37.5415, 52.9304,
70.5253

326.9640,
398.0180, 481.2311

25.8026, 37.7472,
51.4755

70.7133, 94.5019,
121.6457

16.8079, 25.7866,
36.2078

92.8769, 121.6591,
154.5533

10.1921, 16.6640,
24.3037

119.2461,
153.5763, 192.9173

5.5898, 9.9952,
15.3448

150.1863,
190.6381, 237.1561

2.6355, 5.3958,
8.9124

186.0628,
233.2288, 287.6884

0.9641, 2.4813,
4.5881

227.2411,

0.0000, 0.8673,

281.7327, 344.9326

1.9532

274.0863,
336.5343, 409.3074

■ 0.0000, 0.0000,
0.5263

■ 0.0000, 0.0000,
0.0000

■ 37.5415, 52.9304,
70.5253

■ 37.5415, 52.9304,
70.5253

■ 36.4164, 52.3515,
70.4737

■ 39.1936, 53.7832,
70.6040

■ 35.7504, 52.0082,
70.4423

■ 41.4209, 54.9315,
70.7084

■ 35.4331, 51.8447,
70.4273

■ 44.2718, 56.4012,
70.8419

■ 35.4280, 51.8420,
70.4271

■ 47.7882, 58.2139,
71.0067

■ 52.0083, 60.3894,
71.2043

■ 56.9674, 62.9460,
71.4366

■ 62.6986, 65.9005,
71.7049

■ 69.2328, 69.2690,
72.0109

■ 76.5994, 73.0666,
72.3558

Harmonies

Analogous

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



37.3596, 52.9304, 48.4939



37.5415, 52.9304, 70.5253



40.9130, 52.9304, 93.8506

Triad

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



37.5415, 52.9304, 70.5253



61.7339, 52.9304, 91.4727



53.7610, 52.9304, 25.6919

Complementary

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



37.5415, 52.9304, 70.5253



29.9120, 18.0357, 6.7569

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.



61.0430, 52.9304, 32.1856



37.5415, 52.9304, 70.5253



65.9498, 52.9304, 67.8520

Square

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



37.5415, 52.9304, 70.5253



54.6294, 52.9304, 107.8800



65.6849, 52.9304, 46.4148



46.2221, 52.9304, 26.0637

Rectangle

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



37.5415, 52.9304, 70.5253



44.7290, 52.9304, 105.3709



65.6849, 52.9304, 46.4148



56.3343, 52.9304, 27.0570

Sweetspot

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



37.5431, 52.9324, 70.5266



78.0185, 91.2199, 108.1024



26.7489, 48.6337, 12.8293



16.3020, 19.3201, 23.1198



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.



37.5431, 52.9324, 70.5266



54.7161, 79.2072, 107.0103



23.4464, 24.7386, 65.8287



12.7922, 14.1079, 15.9864



21.8708, 32.0037, 43.4768



1.3191, 1.9303, 2.6223

Inverse Universe

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



29.9120, 18.0357, 6.7569



42.4228, 22.9908, 4.2815



36.8175, 31.8468, 9.0585



12.4233, 12.4208, 12.9034



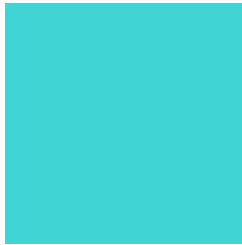
16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 37.5415, 52.9304, 70.5253 looks on a white background.

Color Contrast Check

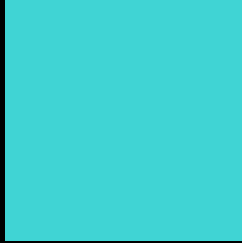
Large Text (above 18pt) WCAG AA × Fail

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 37.5415, 52.9304, 70.5253 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

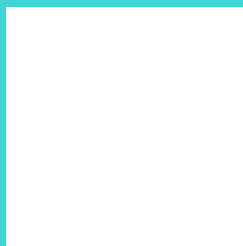
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5415, 52.9304, 70.5253

Background



This preview shows how black text looks on a background with the XYZ color 37.5415, 52.9304, 70.5253.

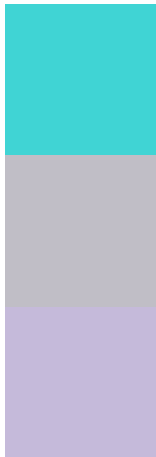


This preview shows how white text looks on a background with the XYZ color 37.5415, 52.9304,

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

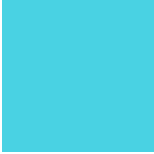
37.5415, 52.9304, 70.5253

Protanopia

50.3447, 52.1106, 60.8310

Deuteranopia

53.2398, 52.0501, 73.5703



Tritanopia

39.6594, 53.0557, 80.8236

Trichromacy



Original Color

37.5415, 52.9304, 70.5253



Protanomaly

42.6506, 50.7197, 64.0419



Deuteranomaly

44.3042, 50.3776, 72.3545



Tritanomaly

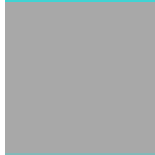
39.0049, 53.1645, 77.3133

Monochromacy



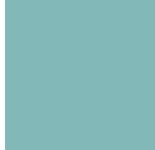
Original Color

37.5415, 52.9304, 70.5253



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.9981, 42.4875, 51.7037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5415, 52.9304, 70.5253 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(64, 212, 212)` looks like.

```
.text, #text, p{  
    color:rgb(64, 212, 212)  
}
```

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(64, 212, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 212, 212) }
```

Border

The CSS property to change the border of an element to XYZ 37.5415, 52.9304, 70.5253 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(64, 212, 212) }
```


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

```
.border{ border-color:rgb(64, 212, 212) }
```

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

Here you see how a box with a 4 pixel rgb(64, 212, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 212, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 212, 212);  
box-shadow:4px 4px 4px 4px rgb(64, 212,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5415, 52.9304, 70.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 212, 212) }
```

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

```
.background{ background-color: rgb(64, 212,  
212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor