

Converting Colors

XYZ(37.6005, 52.7464, 70.2565)

Have a look what the booklet for
XYZ(37.6005, 52.7464, 70.2565)
contains.

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Color

**XYZ(37.5618, 52.5709,
70.4548)**

Conversions

Conversions Part 1

Format	Color
Hex	44D3D4
RGB	68, 211, 212
RGB Percent	27%, 83%, 83%
CMY	0.7333, 0.1725, 0.1686
CMYK	0.68, 0.00, 0.00, 0.17
HSL	180°, 63%, 55%
HSV	180°, 68%, 83%
XYZ	37.5618, 52.5709, 70.4548
YIQ	168.3570, -85.5490, -30.0050

Conversions

Conversions Part 2

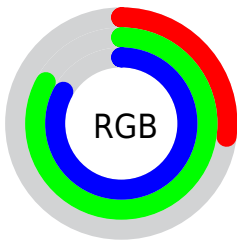
Format	Color
RYB	68, 140, 212
Decimal	4510676
CIELab	77.62, -36.62, -11.57
CIELCh	78, 38.402, 197.537
Yxy	52.5709, 0.2339, 0.3274
Android (android.graphics.Color)	4282700756 (0xFF44D3D4)
YUV	168.3570, 21.5160, -88.0131
Hunter-Lab	72.5058, -34.4128, -6.8588

Details

The XYZ color **37.5618, 52.5709, 70.4548** 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 **30.3240, 18.6718, 7.4760**, and the grayscale version is **37.3244, 39.2681, 42.7630**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **17.9743, 26.2113, 36.0102** is the 20% darker color. If you saturate the color by 10%, you get **36.3059, 51.8704, 70.3867**, and if you desaturate by 10%, it is **39.3553, 53.5509, 70.5504**.

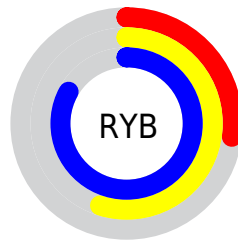
Distribution



Red (27%)

Green (83%)

Blue (83%)



Red (27%)

Yellow (55%)

Blue (83%)

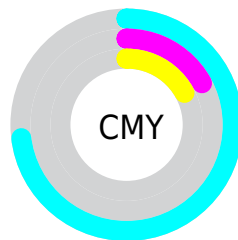


Cyan (68%)

Magenta (0%)

Yellow (0%)

Black (17%)



Cyan (73%)

Magenta (17%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5618, 52.5709, 70.4548 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 37.5618, 52.5709, 70.4548 by changing the saturation by 10% instead.

37.5618, 52.5709,
70.4548

37.5618, 52.5709,
70.4548

327.0499,
396.6367, 480.9775

25.8184, 37.4603,
51.4183

70.7442, 93.9727,
121.5443

16.8198, 25.5641,
36.1626

92.9140, 121.0326,
154.4344

10.2006, 16.4978,
24.2691

119.2900,
152.8445, 192.7794

5.5955, 9.8771,
15.3193

150.2375,
189.7927, 236.9979

2.6390, 5.3176,
8.8947

186.1218,
232.2617, 287.5084

0.9659, 2.4348,
4.5767

227.3085,

0.0000, 0.8437,

280.6357, 344.7295

1.9467

274.1627,
335.2992, 409.0797

■ 0.0000, 0.0000,
0.5222

■ 0.0000, 0.0000,
0.0000

■ 37.5618, 52.5709,
70.4548

■ 37.5618, 52.5709,
70.4548

■ 36.3059, 51.8704,
70.3867

■ 39.3553, 53.5509,
70.5504

■ 35.5220, 51.4122,
70.3396

■ 41.7334, 54.8311,
70.6722

■ 35.1247, 51.1533,
70.3106

■ 44.7433, 56.4371,
70.8235

■ 35.0619, 51.1097,
70.3055

■ 48.4261, 58.3900,
71.0064

■ 52.8195, 60.7094,
71.2225

■ 57.9584, 63.4131,
71.4735

■ 63.8754, 66.5179,
71.7609

■ 70.6011, 70.0397,
72.0862

■ 76.7489, 73.2636,
72.3845

Harmonies

Analogous

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



37.2922, 52.5709, 48.8690



37.5618, 52.5709, 70.4548



40.9419, 52.5709, 92.9789

Triad

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



37.5618, 52.5709, 70.4548



61.2468, 52.5709, 89.4894



53.1093, 52.5709, 25.8984

Complementary

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



37.5618, 52.5709, 70.4548



30.3240, 18.6718, 7.4760

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.



60.2297, 52.5709, 32.0820



37.5618, 52.5709, 70.4548



65.2306, 52.5709, 66.5179

Square

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



37.5618, 52.5709, 70.4548



54.3899, 52.5709, 105.7020



64.8409, 52.5709, 45.7918



45.7907, 52.5709, 26.4540

Rectangle

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



37.5618, 52.5709, 70.4548



44.7123, 52.5709, 103.9047



64.8409, 52.5709, 45.7918



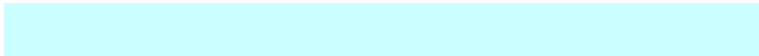
55.6182, 52.5709, 27.1784

Sweetspot

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



37.5634, 52.5729, 70.4561



78.5991, 91.3520, 108.0978



26.9720, 48.7344, 13.4553



16.4092, 19.3345, 23.1170



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.



37.5634, 52.5729, 70.4561



54.4715, 78.3971, 106.8689



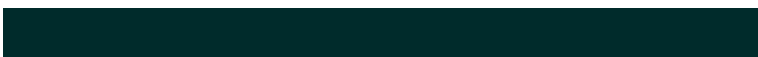
23.6472, 24.7404, 65.8173



12.7845, 14.0924, 15.9838



21.6485, 31.5588, 43.4036



1.3082, 1.9084, 2.6187

Inverse Universe

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



40.9777, 22.8359, 63.8781



60.0305, 30.3332, 96.0798



37.5743, 33.1724, 9.8928



12.9492, 12.6312, 15.6726



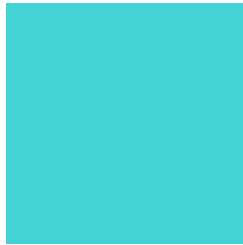
23.9860, 11.5307, 38.8260



1.4480, 0.6960, 2.3483

Previews

White Background



This preview shows how the XYZ color 37.5618, 52.5709, 70.4548 looks on a white background.

Color Contrast Check

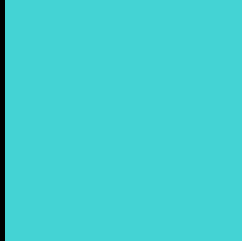
Large Text (above 18pt) WCAG AA × Fail

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 37.5618, 52.5709, 70.4548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

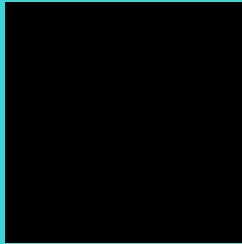
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

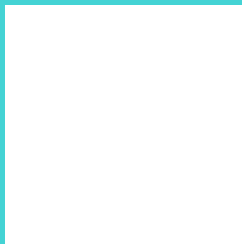
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5618, 52.5709, 70.4548

Background



This preview shows how black text looks on a background with the XYZ color 37.5618, 52.5709, 70.4548.



This preview shows how white text looks on a background with the XYZ color 37.5618, 52.5709,

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

37.5618, 52.5709, 70.4548

Protanopia

49.9923, 51.5951, 61.3568

Deuteranopia

52.7688, 51.4956, 73.4881



Tritanopia

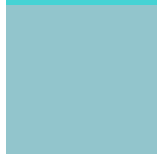
39.5084, 52.6284, 80.0275

Trichromacy



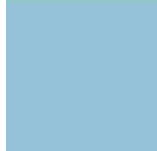
Original Color

37.5618, 52.5709, 70.4548



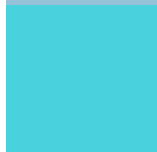
Protanomaly

42.7194, 50.4031, 64.6040



Deuteranomaly

44.0809, 49.9310, 72.2801



Tritanomaly

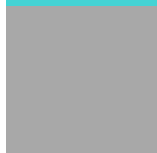
38.8454, 52.7301, 76.5372

Monochromacy



Original Color

37.5618, 52.5709, 70.4548



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.3079, 42.6472, 51.7182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5618, 52.5709, 70.4548 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(68, 211, 212)` looks like.

```
.text, #text, p{  
    color:rgb(68, 211, 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(68, 211, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 211, 212) }
```

Border

The CSS property to change the border of an element to XYZ 37.5618, 52.5709, 70.4548 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(68, 211, 212) }
```


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

```
.border{ border-color:rgb(68, 211, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 211, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 211, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 211, 212);  
box-shadow:4px 4px 4px 4px rgb(68, 211,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5618, 52.5709, 70.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 211, 212) }
```

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

```
.background{ background-color: rgb(68, 211,  
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](#).

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