

Converting Colors

XYZ(34.7596, 45.6922, 52.8172)

Have a look what the booklet for
XYZ(34.7596, 45.6922, 52.8172)
contains.

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Color

**XYZ(34.7308, 45.5311,
52.8568)**

Conversions

Conversions Part 1

Format	Color
Hex	70C2B9
RGB	112, 194, 185
RGB Percent	44%, 76%, 73%
CMY	0.5608, 0.2392, 0.2745
CMYK	0.42, 0.00, 0.05, 0.24
HSL	173°, 40%, 60%
HSV	173°, 42%, 76%
XYZ	34.7308, 45.5311, 52.8568
YIQ	168.4560, -45.9830, -20.1830

Conversions

Conversions Part 2

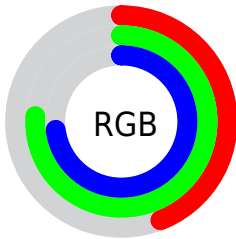
Format	Color
RYB	112, 155, 194
Decimal	7389881
CIELab	73.24, -27.20, -3.32
CIELCh	73, 27.397, 186.965
Yxy	45.5311, 0.2609, 0.3420
Android (android.graphics.Color)	4285579961 (0xFF70C2B9)
YUV	168.4560, 8.1562, -49.5119
Hunter-Lab	67.4767, -26.2090, 0.7899

Details

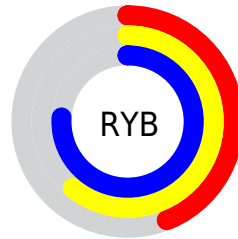
The XYZ color **34.7308, 45.5311, 52.8568** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.4950, 24.4394, 21.1481**, and the grayscale version is **37.4220, 39.3709, 42.8749**.

A 20% lighter version of the original color is **66.5228, 83.6701, 95.8629**, and **15.1738, 21.2629, 25.1342** is the 20% darker color. If you saturate the color by 10%, you get **32.3005, 44.3051, 51.5790**, and if you desaturate by 10%, it is **37.6989, 47.0362, 54.1793**.

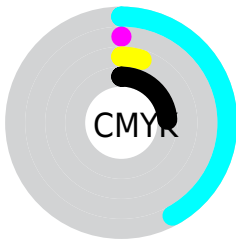
Distribution



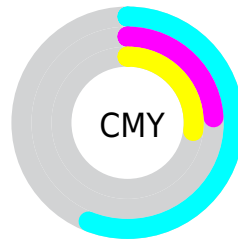
- Red (44%)
- Green (76%)
- Blue (73%)



- Red (44%)
- Yellow (61%)
- Blue (76%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)





- Cyan (56%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7308, 45.5311, 52.8568 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 34.7308, 45.5311, 52.8568 by changing the saturation by 10% instead.


 34.7308, 45.5311,
52.8568


 34.7308, 45.5311,
52.8568


314.9074,
368.9203, 414.7862


 23.6211, 31.8760,
37.3015


 66.4053, 83.5168,
95.8330

 15.1760, 21.2668,
25.1434


 87.7008, 108.6162,
124.0911

 9.0301, 13.3191,
15.9639


 113.1224,
138.2991, 157.4204

 4.8181, 7.6487,
9.3446

143.0352,
172.9499, 196.2397

 2.1746, 3.8710,
4.8667

177.8048,
212.9530, 240.9673

 0.7293, 1.6017,
2.1119

217.7965,

 0.0000, 0.3587,

258.6929, 292.0219

0.6228

263.3755,
310.5538, 349.8220

■ 0.0000, 0.0000,
0.0000

■ 34.7308, 45.5311,
52.8568

■ 34.7308, 45.5311,
52.8568

■ 32.3005, 44.3051,
51.5790

■ 37.6989, 47.0362,
54.1793

■ 30.3696, 43.3351,
50.3412

■ 41.2323, 48.8311,
55.5449

■ 28.9008, 42.6029,
49.1423


■ 45.3613, 50.9327,
56.9562


■ 27.8498, 42.0858,
47.9804


■ 50.1129, 53.3549,
58.4144


■ 27.1640, 41.7565,
46.8529


■ 55.5124, 56.1107,
59.9208

 26.8069, 41.5909,
46.0009

 61.5838, 59.2125,
61.4765

 68.3498, 62.6719,
63.0829

 71.1979, 64.1113,
64.5239

 71.4520, 64.2129,
65.8618

Harmonies

Analogous

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



35.3118, 45.5311, 39.9183



34.7308, 45.5311, 52.8568



36.3000, 45.5311, 67.2664

Triad

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



34.7308, 45.5311, 52.8568



49.0780, 45.5311, 73.8887



46.9960, 45.5311, 28.9799

Complementary

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



34.7308, 45.5311, 52.8568



31.4950, 24.4394, 21.1481

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.



51.0928, 45.5311, 35.2951



34.7308, 45.5311, 52.8568



52.3556, 45.5311, 60.6770

Square

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



34.7308, 45.5311, 52.8568



44.4070, 45.5311, 80.7830



53.1190, 45.5311, 46.4331



42.1643, 45.5311, 27.6608

Rectangle

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



34.7308, 45.5311, 52.8568



38.4281, 45.5311, 75.2562



53.1190, 45.5311, 46.4331



48.5153, 45.5311, 30.5234

Sweetspot

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



34.7321, 45.5329, 52.8579



81.4307, 91.8920, 102.9427



30.1826, 43.8613, 22.2054



17.4479, 19.9276, 22.4162



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.



34.7321, 45.5329, 52.8579



58.6999, 80.3582, 93.5492



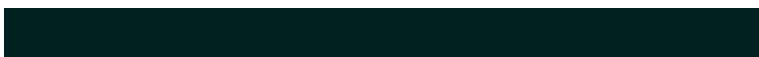
29.4414, 33.3820, 55.9326



10.3194, 11.4088, 12.6851



17.6427, 27.3512, 30.3415



0.7762, 1.1873, 1.3841

Inverse Universe

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



31.4950, 24.4394, 21.1481



52.0537, 36.9501, 28.3706



35.0619, 32.4159, 19.7390



10.1172, 10.0955, 10.7075



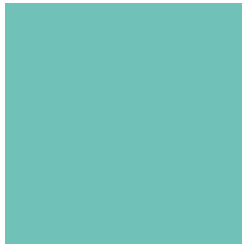
14.7337, 7.5832, 1.2440



0.6519, 0.3338, 0.1346

Previews

White Background



This preview shows how the XYZ color 34.7308, 45.5311, 52.8568 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 34.7308, 45.5311, 52.8568 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

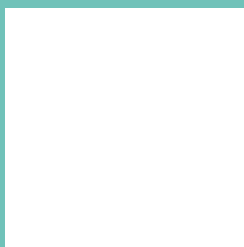
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7308, 45.5311, 52.8568

Background



This preview shows how black text looks on a background with the XYZ color 34.7308, 45.5311, 52.8568.

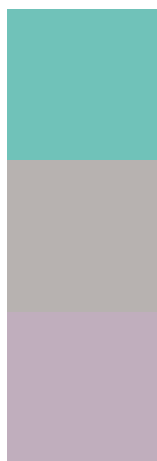


This preview shows how white text looks on a background with the XYZ color 34.7308, 45.5311,

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

34.7308, 45.5311, 52.8568

Protanopia

43.2853, 45.0427, 47.4870

Deuteranopia

46.0596, 45.1527, 54.4319



Tritanopia

37.2426, 45.5694, 65.2254

Trichromacy



Original Color

34.7308, 45.5311, 52.8568

Protanomaly

39.1818, 44.7038, 49.2114

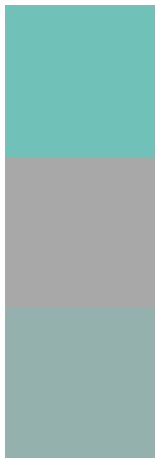
Deuteranomaly

40.7052, 44.4651, 54.0142

Tritanomaly

36.2451, 45.4895, 60.2961

Monochromacy



Original Color

34.7308, 45.5311, 52.8568

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.5749, 40.7962, 46.0439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7308, 45.5311, 52.8568 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(112, 194, 185)` looks like.

```
.text, #text, p{  
    color:rgb(112, 194, 185)  
}
```

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(112, 194, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 194, 185) }
```

Border

The CSS property to change the border of an element to XYZ 34.7308, 45.5311, 52.8568 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(112, 194, 185) }
```


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

```
.border{ border-color:rgb(112, 194, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 194, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 194, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 194, 185);  
box-shadow:4px 4px 4px 4px rgb(112, 194,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7308, 45.5311, 52.8568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 194, 185) }
```

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

```
.background{ background-color: rgb(112,  
194, 185) }
```

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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