

Converting Colors

XYZ(35.4246, 45.3229, 51.5162)

Have a look what the booklet for
XYZ(35.4246, 45.3229, 51.5162)
contains.

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Color

**XYZ(35.4229, 45.2557,
51.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	7AC0B7
RGB	122, 192, 183
RGB Percent	48%, 75%, 72%
CMY	0.5216, 0.2470, 0.2823
CMYK	0.36, 0.00, 0.05, 0.25
HSL	172°, 36%, 62%
HSV	172°, 36%, 75%
XYZ	35.4229, 45.2557, 51.6680
YIQ	170.0440, -38.8310, -17.6390

Conversions

Conversions Part 2

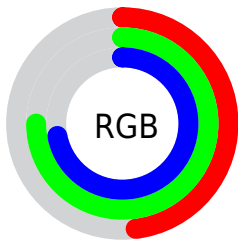
Format	Color
RYB	122, 159, 192
Decimal	8044727
CIELab	73.06, -24.06, -2.45
CIElCh	73, 24.183, 185.804
Yxy	45.2557, 0.2677, 0.3419
Android (android.graphics.Color)	4286234807 (0xFF7AC0B7)
YUV	170.0440, 6.3873, -42.1346
Hunter-Lab	67.2724, -23.7358, 1.5534

Details

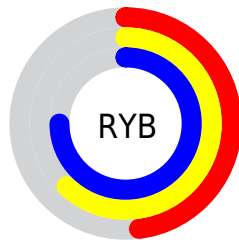
The XYZ color **35.4229, 45.2557, 51.6680** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.7960, 26.7655, 24.9121**, and the grayscale version is **38.2145, 40.2046, 43.7828**.

A 20% lighter version of the original color is **67.5871, 83.3305, 94.1835**, and **15.5016, 21.0176, 24.3589** is the 20% darker color. If you saturate the color by 10%, you get **32.7138, 43.8897, 50.2122**, and if you desaturate by 10%, it is **38.6762, 46.9040, 53.1747**.

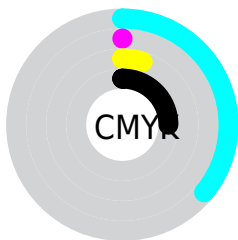
Distribution



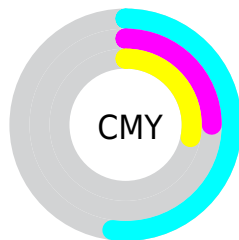
- Red (48%)
- Green (75%)
- Blue (72%)



- Red (48%)
- Yellow (62%)
- Blue (75%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)



- Cyan (52%)
- Magenta (25%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4229, 45.2557, 51.6680 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 35.4229, 45.2557, 51.6680 by changing the saturation by 10% instead.

■ 35.4229, 45.2557,
51.6680

■ 35.4229, 45.2557,
51.6680

317.9065,
367.8082, 410.0740

■ 24.1569, 31.6589,
36.3601

■ 67.4701, 83.1040,
94.0630

■ 15.5754, 21.1011,
24.4205

■ 88.9820, 108.1242,
121.9872

■ 9.3131, 13.1979,
15.4308

■ 114.6399,
137.7211, 154.9539

■ 5.0047, 7.5650,
8.9723

144.8091,
172.2789, 193.3817

■ 2.2848, 3.8179,
4.6266

179.8550,
212.1822, 237.6890

■ 0.7869, 1.5722,
1.9750

220.1429,

■ 0.0000, 0.3388,

257.8152, 288.2945

0.5398

266.0383,
309.5624, 345.6166

■ 0.0000, 0.0000,
0.0000

■ 35.4229, 45.2557,
51.6680

■ 35.4229, 45.2557,
51.6680

■ 32.7138, 43.8897,
50.2122

■ 38.6762, 46.9040,
53.1747

■ 30.5132, 42.7842,
48.8027

■ 42.4990, 48.8442,
54.7308

■ 28.7873, 41.9228,
47.4387


■ 46.9197, 51.0922,
56.3387


■ 27.4964, 41.2852,
46.1182


■ 51.9637, 53.6609,
57.9996


■ 26.5943, 40.8476,
44.8389


■ 57.6548, 56.5627,
59.7147


 26.0208, 40.5788,
43.5980

 64.0157, 59.8093,
61.4854

 25.8543, 40.5024,
43.1657

 70.5491, 63.1443,
63.2884

 70.8406, 63.2609,
64.8235

 71.1369, 63.3794,
66.3834

Harmonies

Analogous

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



36.0170, 45.2557, 40.3364



35.4229, 45.2557, 51.6680



36.7523, 45.2557, 64.1894

Triad

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



35.4229, 45.2557, 51.6680



47.9474, 45.2557, 70.6720



46.4327, 45.2557, 30.9441

Complementary

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



35.4229, 45.2557, 51.6680



32.7960, 26.7655, 24.9121

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.



49.9497, 45.2557, 36.8719



35.4229, 45.2557, 51.6680



50.8636, 45.2557, 59.4470

Square

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



35.4229, 45.2557, 51.6680



43.8416, 45.2557, 76.2567



51.6192, 45.2557, 46.9585



42.1973, 45.2557, 29.5532

Rectangle

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



35.4229, 45.2557, 51.6680



38.6052, 45.2557, 71.1499



51.6192, 45.2557, 46.9585



47.7467, 45.2557, 32.4186

Sweetspot

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



35.4242, 45.2575, 51.6690



81.0954, 90.5799, 100.6922



31.7756, 43.9582, 25.2233



17.1644, 19.3138, 21.5166



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.4242, 45.2575, 51.6690



60.0658, 79.9218, 91.4347



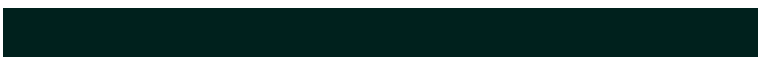
31.2387, 35.3386, 55.0457



10.3110, 11.4054, 12.6410



17.4167, 27.2607, 29.1512



0.7684, 1.1842, 1.3432

Inverse Universe

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



32.7960, 26.7655, 24.9121



54.5982, 41.3812, 35.7184



35.7903, 33.6884, 23.0294



10.1247, 10.0985, 10.7475



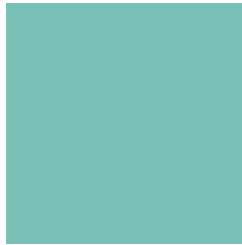
14.7597, 7.5936, 1.3808



0.6554, 0.3352, 0.1526

Previews

White Background



This preview shows how the XYZ color 35.4229, 45.2557, 51.6680 looks on a white background.

Color Contrast Check

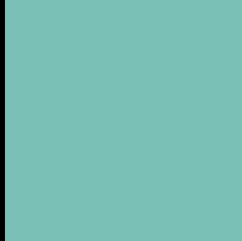
Large Text (above 18pt) WCAG AA × Fail

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 35.4229, 45.2557, 51.6680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

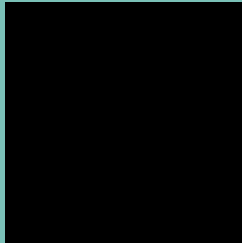
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.4229, 45.2557, 51.6680

Background



This preview shows how black text looks on a background with the XYZ color 35.4229, 45.2557, 51.6680.



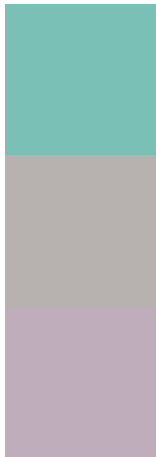
This preview shows how white text looks on a background with the XYZ color 35.4229, 45.2557,

51.6680.

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

35.4229, 45.2557, 51.6680

Protanopia

43.1867, 45.0032, 46.9677

Deuteranopia

45.6514, 44.6815, 53.2320



Tritanopia

37.8491, 45.2669, 63.8693

Trichromacy



Original Color

35.4229, 45.2557, 51.6680

Protanomaly

39.6673, 44.6584, 48.6487

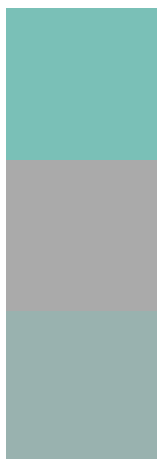
Deuteranomaly

41.1205, 44.4032, 52.8578

Tritanomaly

36.8347, 45.1724, 59.0023

Monochromacy



Original Color

35.4229, 45.2557, 51.6680

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.7951, 41.7082, 46.6686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4229, 45.2557, 51.6680 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(122, 192, 183)` looks like.

```
.text, #text, p{  
    color:rgb(122, 192, 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(122, 192, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 192, 183) }
```

Border

The CSS property to change the border of an element to XYZ 35.4229, 45.2557, 51.6680 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(122, 192, 183) }
```


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

```
.border{ border-color:rgb(122, 192, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 192, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 192, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 192, 183);  
box-shadow:4px 4px 4px 4px rgb(122, 192,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4229, 45.2557, 51.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 192, 183) }
```

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

```
.background{ background-color: rgb(122,  
192, 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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