

Converting Colors

XYZ(33.8540, 45.7881, 56.2887)

Have a look what the booklet for
XYZ(33.8540, 45.7881, 56.2887)
contains.

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Color

**XYZ(33.7600, 45.6211,
56.3166)**

Conversions

Conversions Part 1

Format	Color
Hex	5EC4BF
RGB	94, 196, 191
RGB Percent	37%, 77%, 75%
CMY	0.6314, 0.2314, 0.2510
CMYK	0.52, 0.00, 0.03, 0.23
HSL	177°, 46%, 57%
HSV	177°, 52%, 77%
XYZ	33.7600, 45.6211, 56.3166
YIQ	164.9320, -59.1870, -23.1790

Conversions

Conversions Part 2

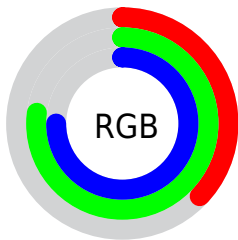
Format	Color
RYB	94, 146, 196
Decimal	6210751
CIELab	73.30, -30.81, -6.58
CIELCh	73, 31.505, 192.052
Yxy	45.6211, 0.2488, 0.3362
Android (android.graphics.Color)	4284400831 (0xFF5EC4BF)
YUV	164.9320, 12.8515, -62.2074
Hunter-Lab	67.5434, -28.9819, -2.1547

Details

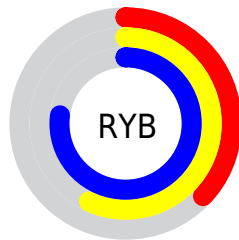
The XYZ color **33.7600, 45.6211, 56.3166** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted spring green. A complement of this color would be **29.0214, 20.6434, 14.2610**, and the grayscale version is **35.6935, 37.5523, 40.8945**.

A 20% lighter version of the original color is **64.8627, 83.6414, 100.7215**, and **14.6864, 21.4006, 27.4014** is the 20% darker color. If you saturate the color by 10%, you get **31.8946, 44.6727, 55.6799**, and if you desaturate by 10%, it is **36.1391, 46.8364, 56.9830**.

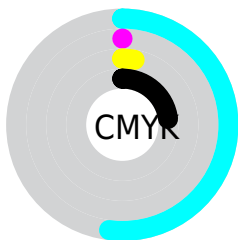
Distribution



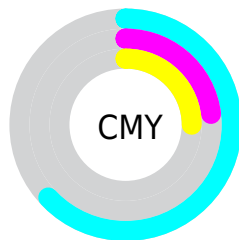
- Red (37%)
- Green (77%)
- Blue (75%)



- Red (37%)
- Yellow (57%)
- Blue (77%)



- Cyan (52%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)





- Cyan (63%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7600, 45.6211, 56.3166 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 33.7600, 45.6211, 56.3166 by changing the saturation by 10% instead.


 33.7600, 45.6211,
56.3166


 33.7600, 45.6211,
56.3166


310.6654,
369.2832, 428.3053


 22.8713, 31.9469,
40.0511


 64.9070, 83.6517,
100.9577


 14.6187, 21.3210,
27.2643


 85.8961, 108.7768,
130.1705

 8.6368, 13.3588,
17.5376


 110.9827,
138.4878, 164.5360

 4.5602, 7.6761,
10.4526

 140.5321,
173.1689, 204.4730

 2.0237, 3.8884,
5.5905

174.9097,
213.2047, 250.3999

 0.6472, 1.6113,
2.5330

214.4809,

 0.0000, 0.3652,

258.9794, 302.7352

0.8576

259.6110,
310.8774, 361.8975

■ 0.0000, 0.0000,
0.0000

■ 33.7600, 45.6211,
56.3166

■ 33.7600, 45.6211,
56.3166

■ 31.8946, 44.6727,
55.6799

■ 36.1391, 46.8364,
56.9830

■ 30.4994, 43.9655,
55.0678

■ 39.0631, 48.3314,
57.6775

■ 29.5305, 43.4781,
54.4793

■ 42.5655, 50.1246,
58.4027

■ 28.9340, 43.1826,
53.9118

■ 46.6761, 52.2311,
59.1600

■ 28.6453, 43.0431,
53.4713

■ 51.4224, 54.6653,
59.9508

■ 56.8303, 57.4406,
60.7761

■ 62.9244, 60.5694,
61.6372

■ 69.7278, 64.0639,
62.5352

■ 71.3653, 64.8951,
63.1951

Harmonies

Analogous

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



34.0005, 45.6211, 40.8571



33.7600, 45.6211, 56.3166



35.9262, 45.6211, 73.0256

Triad

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



33.7600, 45.6211, 56.3166



50.8913, 45.6211, 75.9307



46.7260, 45.6211, 25.9448

Complementary

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



33.7600, 45.6211, 56.3166



29.0214, 20.6434, 14.2610

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.



51.7578, 45.6211, 31.9204



33.7600, 45.6211, 56.3166



54.3000, 45.6211, 59.6752

Square

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



33.7600, 45.6211, 56.3166



45.6229, 45.6211, 85.8607



54.6300, 45.6211, 43.5747



41.1761, 45.6211, 25.4219

Rectangle

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



33.7600, 45.6211, 56.3166



38.5603, 45.6211, 81.7733



54.6300, 45.6211, 43.5747



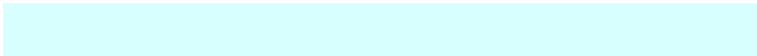
48.5455, 45.6211, 27.3123

Sweetspot

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



33.7613, 45.6229, 56.3177



81.2795, 92.9381, 106.5828



26.9183, 42.9481, 17.4619



17.0653, 19.7225, 22.7518



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.



33.7613, 45.6229, 56.3177



57.5058, 80.7866, 100.7582



25.5037, 28.2115, 56.3276



10.3465, 11.4197, 12.8281



18.4147, 27.6600, 34.4067



0.8023, 1.1978, 1.5218

Inverse Universe

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



29.0214, 20.6434, 14.2610



48.0375, 30.8037, 16.6851



34.1504, 31.2726, 14.8271



10.0928, 10.0857, 10.5791



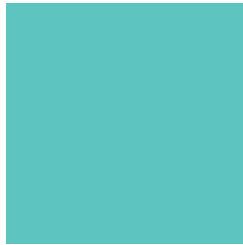
14.6707, 7.5580, 0.9118



0.6409, 0.3294, 0.0765

Previews

White Background



This preview shows how the XYZ color 33.7600, 45.6211, 56.3166 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 33.7600, 45.6211, 56.3166 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

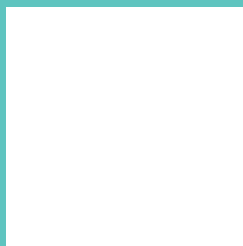
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7600, 45.6211, 56.3166

Background



This preview shows how black text looks on a background with the XYZ color 33.7600, 45.6211, 56.3166.

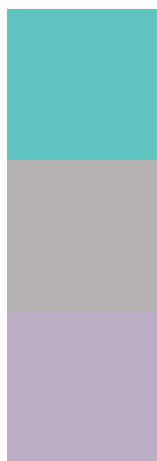


This preview shows how white text looks on a background with the XYZ color 33.7600, 45.6211,

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

33.7600, 45.6211, 56.3166

Protanopia

43.2147, 44.9598, 49.5805

Deuteranopia

45.8389, 44.9490, 58.4846



Tritanopia

35.8341, 45.4527, 67.2062

Trichromacy



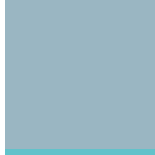
Original Color

33.7600, 45.6211, 56.3166



Protanomaly

38.3951, 44.5482, 51.9224



Deuteranomaly

39.7920, 44.2210, 57.4772



Tritanomaly

34.9895, 45.4445, 62.8046

Monochromacy



Original Color

33.7600, 45.6211, 56.3166



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.8128, 39.5956, 45.9050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7600, 45.6211, 56.3166 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(94, 196, 191)` looks like.

```
.text, #text, p{  
    color:rgb(94, 196, 191)  
}
```

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(94, 196, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 196, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.7600, 45.6211, 56.3166 is called "border". The border property can be set on classes, ids or directly on the HTML element.

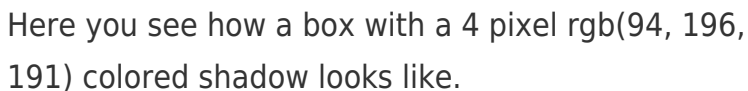
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 196, 191) }
```


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

```
.border{ border-color:rgb(94, 196, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(94, 196, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 196, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 196, 191);  
box-shadow:4px 4px 4px 4px rgb(94, 196,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7600, 45.6211, 56.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 196, 191) }
```

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

```
.background{ background-color: rgb(94, 196,  
191) }
```

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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