

Converting Colors

XYZ(35.4647, 47.0437, 54.3580)

Have a look what the booklet for
XYZ(35.4647, 47.0437, 54.3580)
contains.

XYZ(35.3663, 46.8354, 54.1898)	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(35.3663, 46.8354,
54.1898)**

Conversions

Conversions Part 1

Format	Color
Hex	6EC5BB
RGB	110, 197, 187
RGB Percent	43%, 77%, 73%
CMY	0.5686, 0.2274, 0.2667
CMYK	0.44, 0.00, 0.05, 0.23
HSL	173°, 43%, 60%
HSV	173°, 44%, 77%
XYZ	35.3663, 46.8354, 54.1898
YIQ	169.8470, -48.6420, -21.5540

Conversions

Conversions Part 2

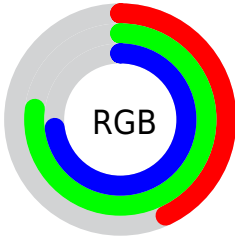
Format	Color
RYB	110, 156, 197
Decimal	7259579
CIELab	74.08, -28.67, -3.18
CIELCh	74, 28.842, 186.325
Yxy	46.8354, 0.2593, 0.3434
Android (android.graphics.Color)	4285449659 (0xFF6EC5BB)
YUV	169.8470, 8.4564, -52.4858
Hunter-Lab	68.4364, -27.5191, 0.9580

Details

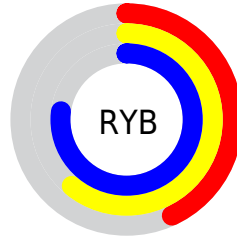
The XYZ color **35.3663, 46.8354, 54.1898** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.9937, 24.3796, 20.7905**, and the grayscale version is **38.1100, 40.0947, 43.6631**.

A 20% lighter version of the original color is **67.3454, 85.4617, 97.7403**, and **15.5937, 22.1230, 26.0026** is the 20% darker color. If you saturate the color by 10%, you get **32.9422, 45.6147, 52.8215**, and if you desaturate by 10%, it is **38.3418, 48.3422, 55.6059**.

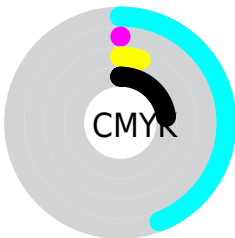
Distribution



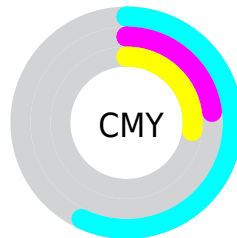
- Red (43%)
- Green (77%)
- Blue (73%)



- Red (43%)
- Yellow (61%)
- Blue (77%)



- Cyan (44%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)



- Cyan (57%)
- Magenta (23%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3663, 46.8354, 54.1898 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 35.3663, 46.8354, 54.1898 by changing the saturation by 10% instead.

■ 35.3663, 46.8354,
54.1898

■ 35.3663, 46.8354,
54.1898

317.6620,
374.1571, 420.0284

■ 24.1130, 32.9056,
38.3592

■ 67.3831, 85.4679,
97.8121

■ 15.5427, 22.0541,
25.9576

■ 88.8774, 110.9393,
126.4409

■ 9.2899, 13.8967,
16.5665

■ 114.5160,
141.0267, 160.1728

■ 4.9894, 8.0488,
9.7672

144.6643,
176.1144, 199.4264

■ 2.2757, 4.1262,
5.1413

179.6877,
216.5870, 244.6202

■ 0.7822, 1.7444,
2.2702

219.9516,

■ 0.0000, 0.4522,

262.8287, 296.1728

0.7145

265.8212,
315.2239, 354.5027

■ 0.0000, 0.0000,
0.0000

■ 35.3663, 46.8354,
54.1898

■ 35.3663, 46.8354,
54.1898

■ 32.9422, 45.6147,
52.8215

■ 38.3418, 48.3422,
55.6059

■ 31.0289, 44.6557,
51.4959

■ 41.8979, 50.1468,
57.0683

■ 29.5867, 43.9391,
50.2122


■ 46.0663, 52.2666,
58.5794

■ 28.5683, 43.4406,
48.9680


■ 50.8757, 54.7163,
60.1408


■ 27.9163, 43.1306,
47.7605


■ 56.3524, 57.5096,
61.7537

 27.6417, 43.0040,
47.0696

 62.5217, 60.6595,
63.4195

 69.4073, 64.1783,
65.1393

 72.2411, 65.6077,
66.6900

 72.5168, 65.7180,
68.1417

Harmonies

Analogous

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



36.0349, 46.8354, 40.4174



35.3663, 46.8354, 54.1898



36.9923, 46.8354, 69.7432

Triad

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



35.3663, 46.8354, 54.1898



50.6540, 46.8354, 77.4795



48.6189, 46.8354, 29.1516

Complementary

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



35.3663, 46.8354, 54.1898



31.9937, 24.3796, 20.7905

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.



52.9955, 46.8354, 35.9506



35.3663, 46.8354, 54.1898



54.2325, 46.8354, 63.2755

Square

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



35.3663, 46.8354, 54.1898



45.6174, 46.8354, 84.7642



55.1207, 46.8354, 47.9298



43.4318, 46.8354, 27.6503

Rectangle

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



35.3663, 46.8354, 54.1898



39.2387, 46.8354, 78.4794



55.1207, 46.8354, 47.9298



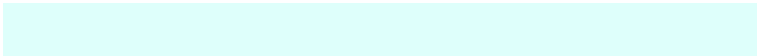
50.2456, 46.8354, 30.8192

Sweetspot

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



35.3677, 46.8372, 54.1909



83.2806, 94.0029, 105.1779



30.5487, 45.0640, 21.8409



17.4411, 19.9248, 22.3805



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.



35.3677, 46.8372, 54.1909



59.1333, 81.7617, 94.6847



29.7228, 33.7736, 57.7779



10.8922, 12.0458, 13.3823



18.2003, 28.2925, 31.0629



0.8771, 1.3458, 1.5514

Inverse Universe

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



31.9937, 24.3796, 20.7905



52.3390, 36.4171, 27.3358



35.7171, 32.7478, 19.1912



10.6826, 10.6564, 11.3120



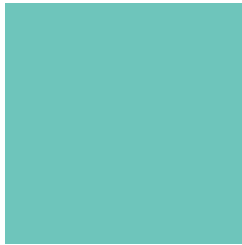
15.2608, 7.8539, 1.3171



0.7396, 0.3787, 0.1520

Previews

White Background



This preview shows how the XYZ color 35.3663, 46.8354, 54.1898 looks on a white background.

Color Contrast Check

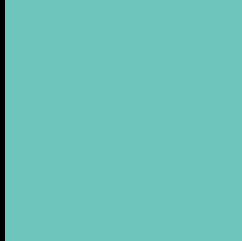
Large Text (above 18pt) WCAG AA × Fail

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 35.3663, 46.8354, 54.1898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

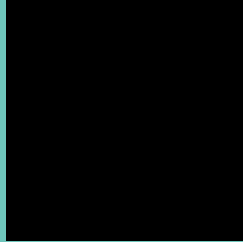
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.3663, 46.8354, 54.1898

Background



This preview shows how black text looks on a background with the XYZ color 35.3663, 46.8354, 54.1898.

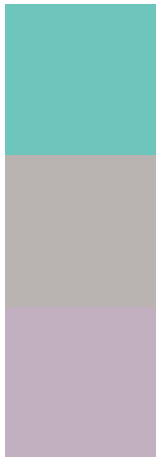


This preview shows how white text looks on a background with the XYZ color 35.3663, 46.8354,

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**

35.3663, 46.8354, 54.1898

Protanopia

44.2647, 46.1311, 48.1662

Deuteranopia

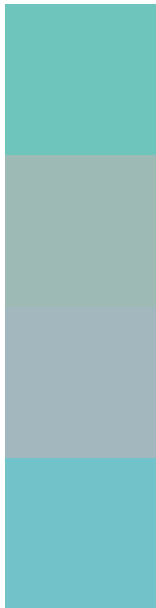
47.2879, 46.3258, 56.3186



Tritanopia

38.0029, 46.9000, 67.3712

Trichromacy



Original Color

35.3663, 46.8354, 54.1898

Protanomaly

39.9999, 45.7231, 50.4333

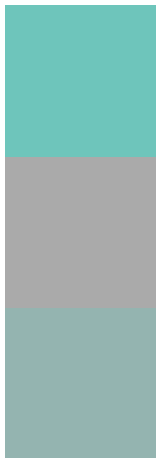
Deuteranomaly

41.5390, 45.7852, 55.3633

Tritanomaly

36.9972, 46.8247, 62.3464

Monochromacy



Original Color

35.3663, 46.8354, 54.1898

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.3705, 42.0730, 47.2783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3663, 46.8354, 54.1898 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(110, 197, 187)` looks like.

```
.text, #text, p{  
    color:rgb(110, 197, 187)  
}
```

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(110, 197, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 197, 187) }
```

Border

The CSS property to change the border of an element to XYZ 35.3663, 46.8354, 54.1898 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(110, 197, 187) }
```


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

```
.border{ border-color:rgb(110, 197, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 197, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 197, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 197, 187);  
box-shadow:4px 4px 4px 4px rgb(110, 197,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3663, 46.8354, 54.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 197, 187) }
```

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

```
.background{ background-color: rgb(110,  
197, 187) }
```

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