

Converting Colors

XYZ(33.5844, 46.6160, 68.8557)

Have a look what the booklet for
XYZ(33.5844, 46.6160, 68.8557)
contains.

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Color

**XYZ(33.5844, 46.6160,
68.8557)**

Conversions

Conversions Part 1

Format	Color
Hex	2FC8D3
RGB	47, 200, 211
RGB Percent	18%, 78%, 83%
CMY	0.8156, 0.2157, 0.1725
CMYK	0.78, 0.05, 0.00, 0.17
HSL	184°, 65%, 51%
HSV	184°, 78%, 83%
XYZ	33.5844, 46.6160, 68.8557
YIQ	155.5070, -94.7190, -29.0150

Conversions

Conversions Part 2

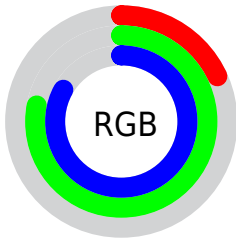
Format	Color
RYB	47, 126, 211
Decimal	3131603
CIELab	73.94, -34.20, -16.59
CIELCh	74, 38.016, 205.880
Yxy	46.6160, 0.2253, 0.3127
Android (android.graphics.Color)	4281321683 (0xFF2FC8D3)
YUV	155.5070, 27.3580, -95.1606
Hunter-Lab	68.2759, -31.6801, -12.0003

Details

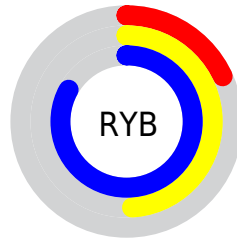
The XYZ color **33.5844, 46.6160, 68.8557** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.8913, 17.0817, 4.4650**, and the grayscale version is **31.2951, 32.9249, 35.8552**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **16.1261, 22.6511, 34.9747** is the 20% darker color. If you saturate the color by 10%, you get **32.5105, 45.5790, 68.7130**, and if you desaturate by 10%, it is **35.1340, 47.9047, 69.0236**.

Distribution



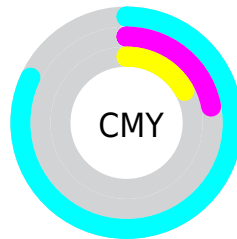
- Red (18%)
- Green (78%)
- Blue (83%)



- Red (18%)
- Yellow (49%)
- Blue (83%)



- Cyan (78%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (82%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5844, 46.6160, 68.8557 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 33.5844, 46.6160, 68.8557 by changing the saturation by 10% instead.

33.5844, 46.6160,
68.8557

33.5844, 46.6160,
68.8557

309.8935,
373.2797, 475.2020

22.7359, 32.7322,
50.1232

64.6354, 85.1401,
119.2412

14.5182, 21.9214,
35.1394

85.5687, 110.5493,
151.7313

8.5661, 13.7991,
23.4859

110.5942,
140.5690, 189.6443

4.5141, 7.9811,
14.7440

140.0774,
175.5836, 233.3987

1.9969, 4.0829,
8.4953

174.3835,
215.9776, 283.4132

0.6322, 1.7200,
4.3212

213.8780,

0.0000, 0.4366,

262.1354, 340.1062

1.8032

258.9263,
314.4412, 403.8963

■ 0.0000, 0.0000,
0.4300

■ 0.0000, 0.0000,
0.0000

■ 33.5844, 46.6160,
68.8557

■ 33.5844, 46.6160,
68.8557

■ 32.5105, 45.5790,
68.7130

■ 35.1340, 47.9047,
69.0236

■ 31.8237, 44.7452,
68.5883

■ 37.2149, 49.4707,
69.2162

■ 31.6902, 44.5675,
68.5610

■ 39.8794, 51.3422,
69.4370

■ 43.1726, 53.5423,
69.6881

■ 47.1351, 56.0920,
69.9714

■ 51.8041, 59.0105,
70.2887

■ 57.2139, 62.3154,
70.6415

■ 63.3968, 66.0235,
71.0313

■ 70.3831, 70.1503,
71.4596

Harmonies

Analogous

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



32.5368, 46.6160, 48.1218



33.5844, 46.6160, 68.8557



37.3907, 46.6160, 88.3556

Triad

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



33.5844, 46.6160, 68.8557



55.9971, 46.6160, 74.7069



45.2502, 46.6160, 21.8866

Complementary

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



33.5844, 46.6160, 68.8557



28.8913, 17.0817, 4.4650

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.



52.0278, 46.6160, 25.7015



33.5844, 46.6160, 68.8557



58.6204, 46.6160, 53.4865

Square

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



33.5844, 46.6160, 68.8557



50.2432, 46.6160, 92.2939



57.0990, 46.6160, 36.1449



38.8580, 46.6160, 24.0349

Rectangle

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



33.5844, 46.6160, 68.8557



41.2028, 46.6160, 96.2458



57.0990, 46.6160, 36.1449



47.5636, 46.6160, 22.4806

Sweetspot

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



33.5858, 46.6177, 68.8568



75.4240, 88.0386, 107.6256



25.2298, 47.4987, 11.8341



15.6041, 18.5044, 22.9992



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.



33.5858, 46.6177, 68.8568



49.1909, 69.1356, 105.3596



19.4181, 18.2823, 64.1343



12.0877, 13.2656, 15.1671



19.1549, 26.9565, 41.3860



1.0919, 1.5490, 2.3210

Inverse Universe

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



38.3070, 20.0534, 56.4970



57.0479, 27.9254, 84.1181



36.7470, 32.7929, 7.0836



12.2751, 11.9948, 14.7247



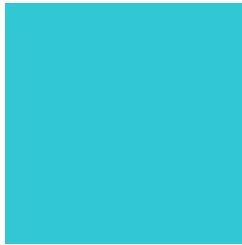
22.2993, 10.7925, 32.8117



1.2574, 0.6077, 1.8901

Previews

White Background



This preview shows how the XYZ color 33.5844, 46.6160, 68.8557 looks on a white background.

Color Contrast Check

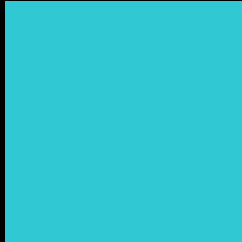
Large Text (above 18pt) WCAG AA × Fail

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 33.5844, 46.6160, 68.8557 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

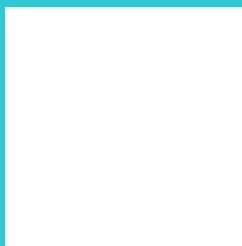
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5844, 46.6160, 68.8557

Background



This preview shows how black text looks on a background with the XYZ color 33.5844, 46.6160, 68.8557.

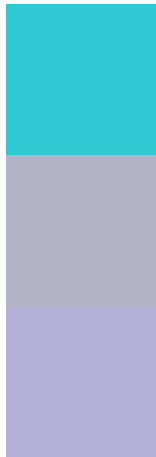


This preview shows how white text looks on a background with the XYZ color 33.5844, 46.6160,

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

33.5844, 46.6160, 68.8557

Protanopia

44.6732, 45.7824, 59.9084

Deuteranopia

46.7424, 45.7118, 71.3254



Tritanopia

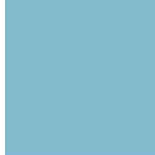
34.0544, 46.4570, 71.4622

Trichromacy



Original Color

33.5844, 46.6160, 68.8557



Protanomaly

37.7557, 44.5983, 63.1183



Deuteranomaly

39.0023, 44.4585, 70.1440



Tritanomaly

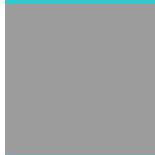
33.8764, 46.3800, 70.7851

Monochromacy



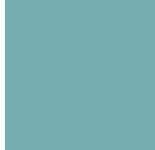
Original Color

33.5844, 46.6160, 68.8557



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.7915, 36.3526, 46.5209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5844, 46.6160, 68.8557 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(47, 200, 211)` looks like.

```
.text, #text, p{  
    color:rgb(47, 200, 211)  
}
```

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(47, 200, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 200, 211) }
```

Border

The CSS property to change the border of an element to XYZ 33.5844, 46.6160, 68.8557 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(47, 200, 211) }
```


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

```
.border{ border-color:rgb(47, 200, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 200, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 200, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 200, 211);  
box-shadow:4px 4px 4px 4px rgb(47, 200,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5844, 46.6160, 68.8557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 200, 211) }
```

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

```
.background{ background-color: rgb(47, 200,  
211) }
```

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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