

Converting Colors

XYZ(33.5267, 46.6619, 32.8595)

Have a look what the booklet for
XYZ(33.5267, 46.6619, 32.8595)
contains.

XYZ(33.5340, 46.7011, 32.8380)	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(33.5340, 46.7011,
32.8380)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC68E
RGB	125, 198, 142
RGB Percent	49%, 78%, 56%
CMY	0.5098, 0.2235, 0.4431
CMYK	0.37, 0.00, 0.28, 0.22
HSL	134°, 39%, 63%
HSV	134°, 37%, 78%
XYZ	33.5340, 46.7011, 32.8380
YIQ	169.7890, -25.5320, -32.8920

Conversions

Conversions Part 2

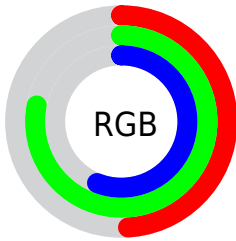
Format	Color
RYB	125, 184, 198
Decimal	8242830
CIELab	74.00, -34.62, 21.05
CIElCh	74, 40.512, 148.700
Yxy	46.7011, 0.2966, 0.4130
Android (android.graphics.Color)	4286432910 (0xFF7DC68E)
YUV	169.7890, -13.7000, -39.2800
Hunter-Lab	68.3382, -32.0007, 19.3466

Details

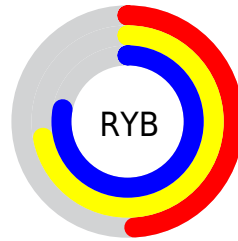
The XYZ color **33.5340, 46.7011, 32.8380** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.9643, 30.0102, 47.4567**, and the grayscale version is **38.1795, 40.1678, 43.7428**.

A 20% lighter version of the original color is **64.5462, 85.2088, 65.2696**, and **14.5341, 22.0796, 13.3933** is the 20% darker color. If you saturate the color by 10%, you get **29.8628, 44.9328, 27.1137**, and if you desaturate by 10%, it is **37.9392, 48.8325, 39.4100**.

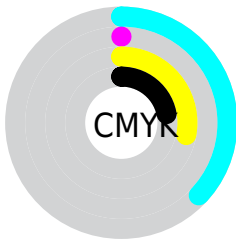
Distribution



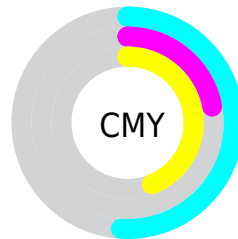
- Red (49%)
- Green (78%)
- Blue (56%)



- Red (49%)
- Yellow (72%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)



- Cyan (51%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5340, 46.7011, 32.8380 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 33.5340, 46.7011, 32.8380 by changing the saturation by 10% instead.

■ 33.5340, 46.7011,
32.8380

■ 33.5340, 46.7011,
32.8380

309.6718,
373.6202, 329.5287

■ 22.6970, 32.7994,
21.7323

■ 64.5575, 85.2673,
65.2356

■ 14.4894, 21.9728,
13.4639

■ 85.4747, 110.7006,
87.3646

■ 8.5458, 13.8369,
7.6143

■ 110.4826,
140.7466, 114.0051

■ 4.5009, 8.0073,
3.7649

139.9468,
175.7896, 145.5756

■ 1.9892, 4.0996,
1.4973

174.2324,
216.2141, 182.4946

■ 0.6279, 1.7295,
0.2159

213.7048,

■ 0.0000, 0.4426,

262.4044, 225.1808

0.0000

258.7295,
314.7450, 274.0527

■ 0.0000, 0.0000,
0.0000

■ 33.5340, 46.7011,
32.8380

■ 33.5340, 46.7011,
32.8380

■ 29.8628, 44.9328,
27.1137

■ 37.9392, 48.8325,
39.4100

■ 26.8814, 43.5015,
22.1993

■ 43.1124, 51.3398,
46.8590

■ 24.5462, 42.3869,
18.0591


■ 49.0895, 54.2424,
55.2167


■ 22.8071, 41.5639,
14.6534


■ 55.9032, 57.5563,
64.5126

■ 21.6059, 41.0035,
11.9385


■ 63.5846, 61.2970,
74.7746

 20.8671, 40.6678,
9.8664

 72.1627, 65.4790,
86.0294

 20.6903, 40.5881,
9.3400

 78.4291, 68.4476,
98.1513

 79.4850, 68.8699,
103.7117

Harmonies

Analogous

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



38.0389, 46.7011, 23.3044



33.5340, 46.7011, 32.8380



31.8859, 46.7011, 49.9516

Triad

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



33.5340, 46.7011, 32.8380



44.0733, 46.7011, 101.9646



57.7377, 46.7011, 34.0209

Complementary

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



33.5340, 46.7011, 32.8380



38.9643, 30.0102, 47.4567

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.



59.7933, 46.7011, 51.7582



33.5340, 46.7011, 32.8380



51.4070, 46.7011, 94.3954

Square

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



33.5340, 46.7011, 32.8380



37.5481, 46.7011, 93.0375



57.3627, 46.7011, 74.4741



52.0118, 46.7011, 23.8455

Rectangle

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



33.5340, 46.7011, 32.8380



32.4755, 46.7011, 64.7179



57.3627, 46.7011, 74.4741



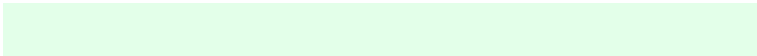
58.9066, 46.7011, 39.1190

Sweetspot

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



33.5352, 46.7030, 32.8390



82.1998, 93.7536, 91.2163



43.2322, 51.8384, 27.1297



17.2824, 19.9157, 19.0881



0.0000, 0.0000, 0.0000



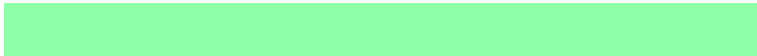
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5352, 46.7030, 32.8390



54.2079, 80.2037, 50.1249



36.6203, 47.9371, 49.0850



10.5970, 11.9277, 11.8280



13.4827, 26.4054, 6.2204



0.6674, 1.2619, 0.4471

Inverse Universe

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



38.9643, 30.0102, 47.4567



65.1573, 46.4949, 79.5747



35.7873, 28.7394, 30.7270



10.9734, 10.7727, 12.8430



18.8593, 9.2933, 20.2670



0.9195, 0.4506, 1.0990

Previews

White Background



This preview shows how the XYZ color 33.5340, 46.7011, 32.8380 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 33.5340, 46.7011, 32.8380 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 33.5340, 46.7011, 32.8380

Background



This preview shows how black text looks on a background with the XYZ color 33.5340, 46.7011, 32.8380.



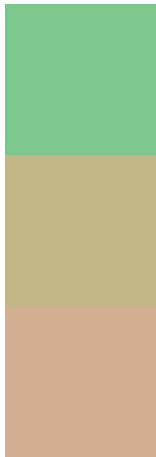
This preview shows how white text looks on a background with the XYZ color 33.5340, 46.7011,

32.8380.

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

33.5340, 46.7011, 32.8380

Protanopia

43.0751, 46.2383, 29.2088

Deuteranopia

46.9809, 46.0803, 34.0220



Tritanopia

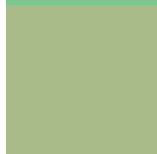
39.9141, 46.6380, 64.6559

Trichromacy



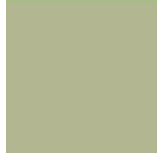
Original Color

33.5340, 46.7011, 32.8380



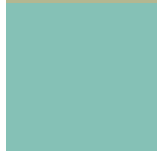
Protanomaly

38.6479, 45.7818, 30.4667



Deuteranomaly

40.6347, 45.4950, 33.4278



Tritanomaly

37.1863, 46.5039, 51.2722

Monochromacy



Original Color

33.5340, 46.7011, 32.8380



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.9928, 42.0506, 39.4773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5340, 46.7011, 32.8380 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(125, 198, 142)` looks like.

```
.text, #text, p{  
    color:rgb(125, 198, 142)  
}
```

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(125, 198, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 198, 142) }
```

Border

The CSS property to change the border of an element to XYZ 33.5340, 46.7011, 32.8380 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(125, 198, 142) }
```


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

```
.border{ border-color:rgb(125, 198, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 198, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 198, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 198, 142);  
box-shadow:4px 4px 4px 4px rgb(125, 198,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5340, 46.7011, 32.8380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 198, 142) }
```

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

```
.background{ background-color: rgb(125,  
198, 142) }
```

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