

Converting Colors

XYZ(33.3011, 52.4027, 46.3898)

Have a look what the booklet for
XYZ(33.3011, 52.4027, 46.3898)
contains.

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Color

**XYZ(33.3011, 52.4027,
46.3898)**

Conversions

Conversions Part 1

Format	Color
Hex	3AD7AA
RGB	58, 215, 170
RGB Percent	23%, 84%, 67%
CMY	0.7725, 0.1568, 0.3333
CMYK	0.73, 0.00, 0.21, 0.16
HSL	163°, 66%, 54%
HSV	163°, 73%, 84%
XYZ	33.3011, 52.4027, 46.3898
YIQ	162.9270, -79.1270, -47.2790

Conversions

Conversions Part 2

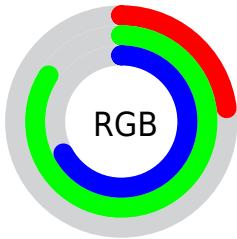
Format	Color
RYB	58, 150, 215
Decimal	3856298
CIELab	77.52, -50.62, 10.75
CIElCh	78, 51.749, 168.011
Yxy	52.4027, 0.2521, 0.3967
Android (android.graphics.Color)	4282046378 (0xFF3AD7AA)
YUV	162.9270, 3.4870, -92.0210
Hunter-Lab	72.3897, -44.5675, 12.6777

Details

The XYZ color **33.3011, 52.4027, 46.3898** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **31.9874, 18.4539, 14.7103**, and the grayscale version is **34.7908, 36.6026, 39.8603**.

A 20% lighter version of the original color is **57.9548, 81.3919, 83.8898**, and **15.6682, 26.1043, 21.3524** is the 20% darker color. If you saturate the color by 10%, you get **31.7330, 51.6614, 43.3449**, and if you desaturate by 10%, it is **35.4209, 53.4279, 49.6055**.

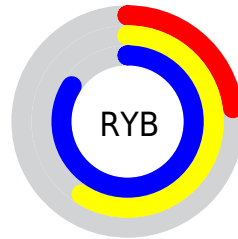
Distribution



Red (23%)

Green (84%)

Blue (67%)



Red (23%)

Yellow (59%)

Blue (84%)

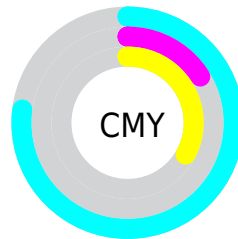


Cyan (73%)

Magenta (0%)

Yellow (21%)

Black (16%)



Cyan (77%)


Magenta (16%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3011, 52.4027, 46.3898 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 33.3011, 52.4027, 46.3898 by changing the saturation by 10% instead.


 33.3011, 52.4027,
46.3898


 33.3011, 52.4027,
46.3898


308.6454,
395.9893, 388.6966


 22.5175, 37.3262,
32.2026


 64.1969, 93.7249,
86.1425

 14.3564, 25.4601,
21.2502


 85.0398, 120.7393,
112.5451


 8.4523, 16.4202,
13.1140


 109.9666,
152.5018, 143.8566

 4.4399, 9.8220,
7.3755

 139.3425,
189.3967, 180.4956

 1.9539, 5.2811,
3.6160

 173.5330,
231.8086, 222.8805

 0.6079, 2.4131,
1.4171

212.9034,

 0.0000, 0.8326,

280.1217, 271.4299

0.1550

257.8191,
334.7205, 326.5625

■ 0.0000, 0.0000,
0.0000

■ 33.3011, 52.4027,
46.3898

■ 33.3011, 52.4027,
46.3898

■ 31.7330, 51.6614,
43.3449

■ 35.4209, 53.4279,
49.6055

■ 30.6421, 51.1617,
40.4619

■ 38.1464, 54.7608,
52.9931

■ 30.0821, 50.9150,
38.5415

■ 41.5296, 56.4295,
56.5578

■ 45.6156, 58.4572,
60.3037

■ 50.4455, 60.8651,
64.2345

■ 56.0571, 63.6726,
68.3537

■ 62.4856, 66.8979,
72.6646

■ 69.7640, 70.5579,
77.1706

■ 77.9236, 74.6686,
81.8747

Harmonies

Analogous

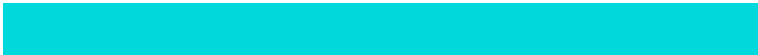
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8668, 52.4027, 27.6319



33.3011, 52.4027, 46.3898



33.7015, 52.4027, 75.7851

Triad

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



33.3011, 52.4027, 46.3898



55.9768, 52.4027, 126.8698



63.7735, 52.4027, 25.1910

Complementary

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



33.3011, 52.4027, 46.3898



31.9874, 18.4539, 14.7103

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.



70.3671, 52.4027, 41.7013



33.3011, 52.4027, 46.3898



65.4684, 52.4027, 102.2650

Square

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



33.3011, 52.4027, 46.3898



45.9279, 52.4027, 129.4315



71.0258, 52.4027, 69.2471



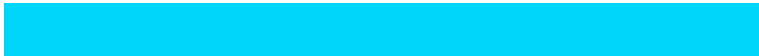
53.8990, 52.4027, 18.4247

Rectangle

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



33.3011, 52.4027, 46.3898



36.1708, 52.4027, 98.0146



71.0258, 52.4027, 69.2471



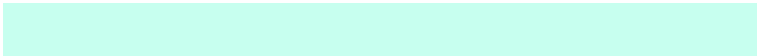
66.5009, 52.4027, 29.4730

Sweetspot

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



33.3025, 52.4048, 46.3910



74.8547, 89.8757, 95.0014



30.9034, 51.9179, 12.3963



15.5761, 19.0144, 19.9881



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.



33.3025, 52.4048, 46.3910



45.6816, 75.5525, 61.2799



31.0699, 39.9230, 70.3607



12.6334, 14.0443, 15.1497



18.0398, 30.4713, 23.3033



1.1230, 1.8518, 1.5893

Inverse Universe

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



31.9874, 18.4539, 14.7103



43.7816, 23.0440, 12.9484



32.3956, 21.9658, 6.5363



12.5682, 12.4788, 13.6662



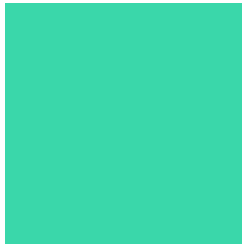
17.3157, 8.8626, 3.7007



1.0800, 0.5488, 0.4106

Previews

White Background



This preview shows how the XYZ color 33.3011, 52.4027, 46.3898 looks on a white background.

Color Contrast Check

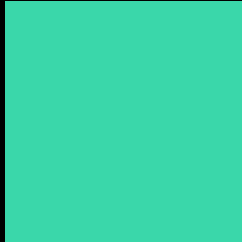
Large Text (above 18pt) WCAG AA × Fail

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 33.3011, 52.4027, 46.3898 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

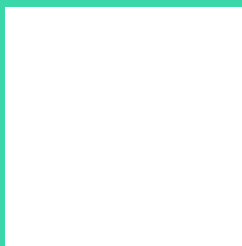
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3011, 52.4027, 46.3898

Background



This preview shows how black text looks on a background with the XYZ color 33.3011, 52.4027, 46.3898.

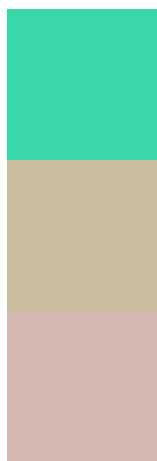


This preview shows how white text looks on a background with the XYZ color 33.3011, 52.4027,

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

33.3011, 52.4027, 46.3898

Protanopia

48.3708, 51.2470, 39.2405

Deuteranopia

52.3099, 51.1874, 48.7181



Tritanopia

39.7567, 52.4249, 78.5446

Trichromacy



Original Color

33.3011, 52.4027, 46.3898



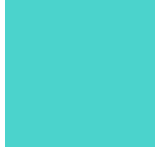
Protanomaly

39.1101, 49.3864, 41.6536



Deuteranomaly

41.0597, 49.2543, 47.3874



Tritanomaly

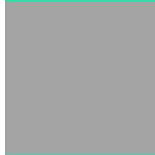
37.0950, 52.4440, 65.2943

Monochromacy



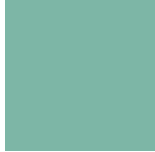
Original Color

33.3011, 52.4027, 46.3898



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.0683, 40.5690, 42.2168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3011, 52.4027, 46.3898 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(58, 215, 170)` looks like.

```
.text, #text, p{  
    color:rgb(58, 215, 170)  
}
```

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(58, 215, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 215, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.3011, 52.4027, 46.3898 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(58, 215, 170) }
```


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

```
.border{ border-color:rgb(58, 215, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 215, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 215, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 215, 170);  
box-shadow:4px 4px 4px 4px rgb(58, 215,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3011, 52.4027, 46.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 215, 170) }
```

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

```
.background{ background-color: rgb(58, 215,  
170) }
```

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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