

Converting Colors

XYZ(33.1740, 46.7909, 20.3798)

Have a look what the booklet for
XYZ(33.1740, 46.7909, 20.3798)
contains.

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Color

**XYZ(33.1740, 46.7909,
20.3798)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC668
RGB	138, 198, 104
RGB Percent	54%, 78%, 41%
CMY	0.4588, 0.2235, 0.5921
CMYK	0.30, 0.00, 0.47, 0.22
HSL	98°, 45%, 59%
HSV	98°, 47%, 78%
XYZ	33.1740, 46.7909, 20.3798
YIQ	169.3440, -5.5860, -41.9540

Conversions

Conversions Part 2

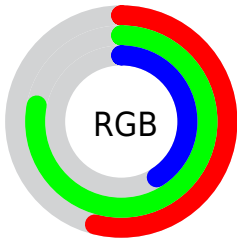
Format	Color
RYB	104, 198, 164
Decimal	9094760
CIELab	74.06, -36.13, 40.86
CIELCh	74, 54.548, 131.484
Yxy	46.7909, 0.3306, 0.4663
Android (android.graphics.Color)	4287284840 (0xFF8AC668)
YUV	169.3440, -32.2146, -27.4887
Hunter-Lab	68.4039, -33.1392, 30.2182

Details

The XYZ color **33.1740, 46.7909, 20.3798** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **30.4553, 21.8718, 56.0451**, and the grayscale version is **38.0402, 40.0213, 43.5832**.

A 20% lighter version of the original color is **64.0939, 85.4237, 45.0086**, and **14.2953, 22.0977, 7.0019** is the 20% darker color. If you saturate the color by 10%, you get **30.3135, 45.4206, 15.5984**, and if you desaturate by 10%, it is **36.5164, 48.3852, 26.4182**.

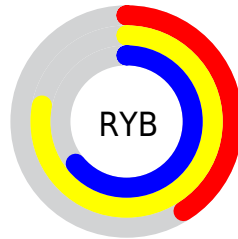
Distribution



Red (54%)

Green (78%)

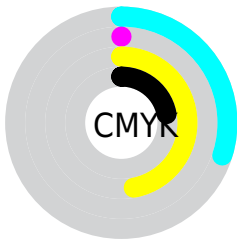
Blue (41%)



Red (41%)

Yellow (78%)

Blue (64%)

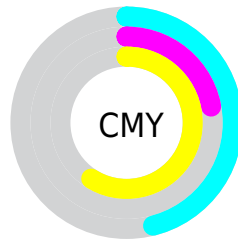


Cyan (30%)

Magenta (0%)

Yellow (47%)

Black (22%)



Cyan (46%)


Magenta (22%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1740, 46.7909, 20.3798 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 33.1740, 46.7909, 20.3798 by changing the saturation by 10% instead.


 33.1740, 46.7909,
20.3798


 33.1740, 46.7909,
20.3798


308.0842,
373.9793, 266.6358

 22.4196, 32.8704,
12.4846

 64.0000, 85.4014,
44.9203


 14.2839, 22.0272,
6.9481


 84.8023, 110.8602,
62.4028

 8.4014, 13.8769,
3.3517


 109.6846,
140.9339, 83.9180

 4.4068, 8.0351,
1.2769

 139.0123,
176.0068, 109.8847

 1.9348, 4.1174,
0.0427

173.1508,
216.4634, 140.7212

 0.5969, 1.7394,
0.0000

212.4654,

 0.0000, 0.4490,

262.6881, 176.8462

0.0000

257.3214,
315.0653, 218.6782

■ 0.0000, 0.0000,
0.0000

■ 33.1740, 46.7909,
20.3798

■ 33.1740, 46.7909,
20.3798

■ 30.3135, 45.4206,
15.5984

■ 36.5164, 48.3852,
26.4182

■ 27.9063, 44.2571,
11.9823

■ 40.3602, 50.2076,
33.7908

■ 25.9257, 43.2905,
9.4321


■ 44.7281, 52.2695,
42.5720


■ 24.3404, 42.5071,
7.8303


■ 49.6401, 54.5798,
52.8299


■ 23.1088, 41.8890,
7.0110


■ 55.1153, 57.1468,
64.6284

 22.8387, 41.7530,
6.8554

 61.1716, 59.9787,
78.0273

 67.8262, 63.0829,
93.0834

 73.8801, 65.9806,
103.4494

 78.3005, 68.2594,
103.6562

Harmonies

Analogous

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



40.8439, 46.7909, 14.3640



33.1740, 46.7909, 20.3798



28.9587, 46.7909, 35.7271

Triad

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



33.1740, 46.7909, 20.3798



38.7811, 46.7909, 120.7086



65.4934, 46.7909, 40.9870

Complementary

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



33.1740, 46.7909, 20.3798



30.4553, 21.8718, 56.0451

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.



64.7260, 46.7909, 69.9724



33.1740, 46.7909, 20.3798



48.3116, 46.7909, 123.7633

Square

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



33.1740, 46.7909, 20.3798



31.8545, 46.7909, 95.4355



58.0849, 46.7909, 102.6882



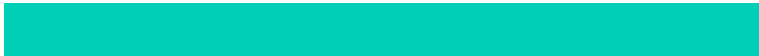
60.0494, 46.7909, 23.0139

Rectangle

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



33.1740, 46.7909, 20.3798



28.2403, 46.7909, 52.3508



58.0849, 46.7909, 102.6882



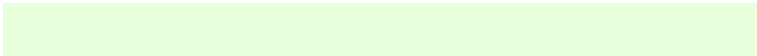
65.9723, 46.7909, 49.5692

Sweetspot

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



33.1751, 46.7929, 20.3808



81.9332, 93.8415, 81.0200



38.9814, 39.3913, 18.6461



17.1424, 19.9001, 16.5256



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.



33.1751, 46.7929, 20.3808



53.5003, 80.3425, 27.3400



29.0879, 44.6068, 23.7639



10.8536, 12.0714, 11.3207



14.9378, 27.1960, 4.4621



0.7865, 1.3286, 0.2150

Inverse Universe

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



30.4553, 21.8718, 56.0451



48.0622, 30.9133, 98.0414



37.0471, 25.4302, 49.1158



10.6967, 10.6174, 13.4031



12.3581, 5.6051, 35.1749



0.6624, 0.3052, 1.6691

Previews

White Background



This preview shows how the XYZ color 33.1740, 46.7909, 20.3798 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 33.1740, 46.7909, 20.3798 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 33.1740, 46.7909, 20.3798

Background



This preview shows how black text looks on a background with the XYZ color 33.1740, 46.7909, 20.3798.



This preview shows how white text looks on a background with the XYZ color 33.1740, 46.7909,

20.3798.

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

33.1740, 46.7909, 20.3798

Protanopia

42.5479, 46.2089, 18.2320

Deuteranopia

47.2732, 46.2286, 21.1833



Tritanopia

41.5679, 46.5772, 62.6766

Trichromacy



Original Color

33.1740, 46.7909, 20.3798

Protanomaly

38.2020, 45.8079, 18.8849

Deuteranomaly

40.6699, 45.4858, 20.8235

Tritanomaly

37.7265, 46.3107, 43.0269

Monochromacy



Original Color

33.1740, 46.7909, 20.3798

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.5326, 41.9560, 33.0136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1740, 46.7909, 20.3798 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(138, 198, 104)` looks like.

```
.text, #text, p{  
    color:rgb(138, 198, 104)  
}
```

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(138, 198, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 198, 104) }
```

Border

The CSS property to change the border of an element to XYZ 33.1740, 46.7909, 20.3798 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(138, 198, 104) }
```


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

```
.border{ border-color:rgb(138, 198, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 198, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 198, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 198, 104);  
box-shadow:4px 4px 4px 4px rgb(138, 198,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1740, 46.7909, 20.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 198, 104) }
```

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

```
.background{ background-color: rgb(138,  
198, 104) }
```

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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