

Converting Colors

XYZ(33.7692, 48.3116, 27.9673)

Have a look what the booklet for
XYZ(33.7692, 48.3116, 27.9673)
contains.

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Color

**XYZ(33.7692, 48.3116,
27.9673)**

Conversions

Conversions Part 1

Format	Color
Hex	7FCA80
RGB	127, 202, 128
RGB Percent	50%, 79%, 50%
CMY	0.5020, 0.2078, 0.4980
CMYK	0.37, 0.00, 0.37, 0.21
HSL	121°, 41%, 65%
HSV	121°, 37%, 79%
XYZ	33.7692, 48.3116, 27.9673
YIQ	171.1390, -20.9460, -38.9140

Conversions

Conversions Part 2

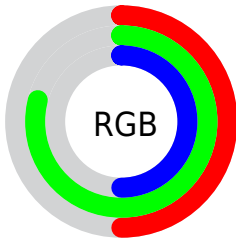
Format	Color
RYB	127, 201, 202
Decimal	8374912
CIELab	75.02, -38.20, 29.80
CIElCh	75, 48.449, 142.043
Yxy	48.3116, 0.3069, 0.4390
Android (android.graphics.Color)	4286564992 (0xFF7FCA80)
YUV	171.1390, -21.2675, -38.7099
Hunter-Lab	69.5065, -34.9137, 24.7981

Details

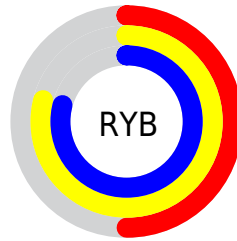
The XYZ color **33.7692, 48.3116, 27.9673** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.4907, 31.9533, 59.1882**, and the grayscale version is **38.8906, 40.9160, 44.5575**.

A 20% lighter version of the original color is **63.3919, 84.8013, 56.7432**, and **14.5565, 22.8340, 10.8479** is the 20% darker color. If you saturate the color by 10%, you get **29.8715, 46.4407, 21.5968**, and if you desaturate by 10%, it is **38.5302, 50.6006, 35.7253**.

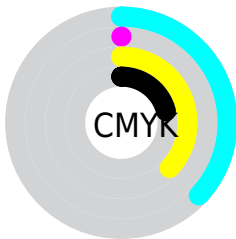
Distribution



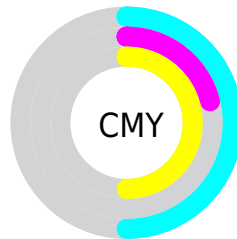
- Red (50%)
- Green (79%)
- Blue (50%)



- Red (50%)
- Yellow (79%)
- Blue (79%)



- Cyan (37%)
- Magenta (0%)
- Yellow (37%)
- Black (21%)



- Cyan (50%)
- Magenta (21%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7692, 48.3116, 27.9673 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 33.7692, 48.3116, 27.9673 by changing the saturation by 10% instead.

■ 33.7692, 48.3116,
27.9673

■ 33.7692, 48.3116,
27.9673

310.7058,
380.0259, 306.2176

■ 22.8784, 34.0737,
18.0622

■ 64.9213, 87.6682,
57.4547

■ 14.6239, 22.9502,
10.8247

■ 85.9133, 113.5556,
77.8741

■ 8.6405, 14.5568,
5.8364

■ 111.0030,
144.0951, 102.6353

■ 4.5627, 8.5089,
2.6787

140.5559,
179.6709, 132.1568

■ 2.0251, 4.4223,
0.9327

174.9372,
220.6675, 166.8573

■ 0.6480, 1.9125,
0.0000

214.5124,

■ 0.0000, 0.5559,

267.4693, 207.1553

0.0000

259.6468,
320.4606, 253.4692

■ 0.0000, 0.0000,
0.0000

■ 33.7692, 48.3116,
27.9673

■ 33.7692, 48.3116,
27.9673

■ 29.8715, 46.4407,
21.5968

■ 38.5302, 50.6006,
35.7253

■ 26.7820, 44.9569,
16.5291

■ 44.1980, 53.3244,
44.9423

■ 24.4451, 43.8351,
12.6751


■ 50.8176, 56.5058,
55.6891


■ 22.7965, 43.0442,
9.9335

■ 58.4298, 60.1648,
68.0307


■ 21.7613, 42.5481,
8.1863

■ 67.0732, 64.3198,
82.0283

 21.2402, 42.2988,
7.2867

 76.7842, 68.9883,
97.7401

 21.1363, 42.2489,
7.1183

 80.4115, 70.7230,
104.0205

Harmonies

Analogous

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



39.8255, 48.3116, 19.1346



33.7692, 48.3116, 27.9673



31.0475, 48.3116, 46.1433

Triad

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



33.7692, 48.3116, 27.9673



43.6040, 48.3116, 117.1100



63.5604, 48.3116, 36.3550

Complementary

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



33.7692, 48.3116, 27.9673



42.4907, 31.9533, 59.1882

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.



64.9109, 48.3116, 59.6394



33.7692, 48.3116, 27.9673



52.6038, 48.3116, 111.9163

Square

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



33.7692, 48.3116, 27.9673



36.2302, 48.3116, 101.1270



60.6803, 48.3116, 88.6191



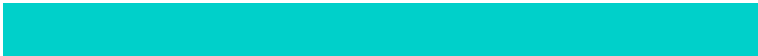
57.1967, 48.3116, 22.7810

Rectangle

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



33.7692, 48.3116, 27.9673



31.2101, 48.3116, 63.4375



60.6803, 48.3116, 88.6191



64.6460, 48.3116, 43.0784

Sweetspot

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



33.7704, 48.3136, 27.9684



81.3327, 93.4067, 86.6507



49.3105, 56.3324, 28.3533



17.0775, 19.8338, 18.0094



0.0000, 0.0000, 0.0000



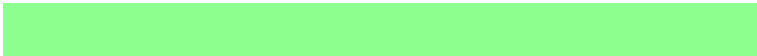
20.3446, 21.4041, 23.3091

Same Dimension

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



33.7704, 48.3136, 27.9684



51.4835, 79.0636, 38.0527



36.6203, 49.4536, 42.9757



11.0740, 12.5394, 11.9473



13.6029, 27.1865, 4.5941



0.7039, 1.4034, 0.2484

Inverse Universe

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



42.4907, 31.9533, 59.1882



68.4590, 47.2110, 98.8245



38.6940, 30.4346, 39.1954



11.6809, 11.4011, 14.1200



22.3326, 10.7436, 35.8000



1.1542, 0.5551, 1.8581

Previews

White Background



This preview shows how the XYZ color 33.7692, 48.3116, 27.9673 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 33.7692, 48.3116, 27.9673 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

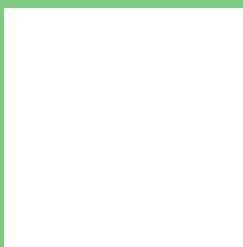
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7692, 48.3116, 27.9673

Background



This preview shows how black text looks on a background with the XYZ color 33.7692, 48.3116, 27.9673.



This preview shows how white text looks on a background with the XYZ color 33.7692, 48.3116,

27.9673.

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

33.7692, 48.3116, 27.9673

Protanopia

44.4111, 47.9408, 25.0019

Deuteranopia

48.7419, 47.6773, 29.1879



Tritanopia

41.3901, 48.0041, 66.7587

Trichromacy



Original Color

33.7692, 48.3116, 27.9673



Protanomaly

39.5025, 47.6011, 26.1747



Deuteranomaly

41.5214, 46.6782, 28.6512



Tritanomaly

38.1931, 48.0529, 49.9100

Monochromacy



Original Color

33.7692, 48.3116, 27.9673



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.1619, 42.7910, 37.3639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7692, 48.3116, 27.9673 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(127, 202, 128)` looks like.

```
.text, #text, p{  
    color:rgb(127, 202, 128)  
}
```

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(127, 202, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 202, 128) }
```

Border

The CSS property to change the border of an element to XYZ 33.7692, 48.3116, 27.9673 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(127, 202, 128) }
```


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

```
.border{ border-color:rgb(127, 202, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 202, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 202, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 202, 128); box-shadow:4px 4px 4px 4px rgb(127, 202, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7692, 48.3116, 27.9673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 202, 128) }
```

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

```
.background{ background-color: rgb(127,  
202, 128) }
```

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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