

Converting Colors

XYZ(33.2852, 47.1033, 27.7687)

Have a look what the booklet for
XYZ(33.2852, 47.1033, 27.7687)
contains.

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Color

**XYZ(33.2218, 46.9946,
27.7420)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 80C780 |
| RGB | 128, 199, 128 |
| RGB Percent | 50%, 78%, 50% |
| CMY | 0.4980, 0.2196, 0.4980 |
| CMYK | 0.36, 0.00, 0.36, 0.22 |
| HSL | 120°, 39%, 64% |
| HSV | 120°, 36%, 78% |
| XYZ | 33.2218, 46.9946, 27.7420 |
| YIQ | 169.6770, -19.5250, -37.1330 |

Conversions

Conversions Part 2

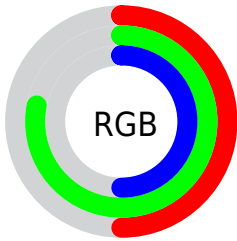
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 128, 199, 199 |
| Decimal | 8439680 |
| CIELab | 74.19, -36.53, 28.70 |
| CIELCh | 74, 46.455, 141.840 |
| Yxy | 46.9946, 0.3077, 0.4353 |
| Android (android.graphics.Color) | 4286629760 (0xFF80C780) |
| YUV | 169.6770, -20.5468, -36.5507 |
| Hunter-Lab | 68.5526, -33.4628, 23.9932 |

Details

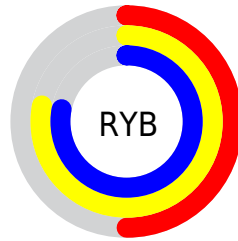
The XYZ color **33.2218, 46.9946, 27.7420** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.5827, 31.7049, 57.9625**, and the grayscale version is **38.1546, 40.1417, 43.7143**.

A 20% lighter version of the original color is **63.6289, 84.9235, 56.7543**, and **14.4022, 22.2967, 10.7523** is the 20% darker color. If you saturate the color by 10%, you get **29.3331, 45.1281, 21.3805**, and if you desaturate by 10%, it is **37.9568, 49.2705, 35.4860**.

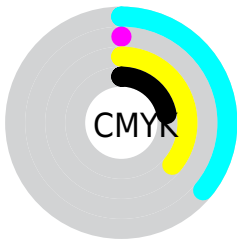
Distribution



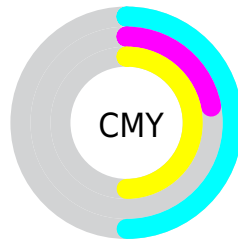
- Red (50%)
- Green (78%)
- Blue (50%)



- Red (50%)
- Yellow (78%)
- Blue (78%)



- Cyan (36%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)



- Cyan (50%)
- Magenta (22%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2218, 46.9946, 27.7420 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 33.2218, 46.9946, 27.7420 by changing the saturation by 10% instead.

■ 33.2218, 46.9946,
27.7420

■ 33.2218, 46.9946,
27.7420

308.2953,
374.7930, 305.1051

■ 22.4565, 33.0314,
17.8939

■ 64.0740, 85.7056,
57.0904

■ 14.3112, 22.1505,
10.7052

■ 84.8916, 111.2221,
77.4278

■ 8.4205, 13.9675,
5.7573

■ 109.7907,
141.3585, 102.0987

■ 4.4193, 8.0981,
2.6317

139.1365,
176.4993, 131.5217

■ 1.9420, 4.1578,
0.9087

173.2946,
217.0287, 166.1153

■ 0.6010, 1.7622,
0.0000

212.6302,

■ 0.0000, 0.4635,

263.3312, 206.2980

0.0000

257.5086,
315.7911, 252.4884

■ 0.0000, 0.0000,
0.0000

■ 33.2218, 46.9946,
27.7420

■ 33.2218, 46.9946,
27.7420

■ 29.3331, 45.1281,
21.3805

■ 37.9568, 49.2705,
35.4860

■ 26.2377, 43.6412,
16.3172

■ 43.5801, 51.9716,
44.6839

■ 23.8819, 42.5096,
12.4638


■ 50.1351, 55.1203,
55.4057


■ 22.2041, 41.7036,
9.7194


■ 57.6614, 58.7356,
67.7162


■ 21.1327, 41.1890,
7.9668

■ 66.1963, 62.8354,
81.6765

 20.5791, 40.9231,
7.0613

 75.7752, 67.4366,
97.3442

 20.4244, 40.8488,
6.8082

 79.7144, 69.3288,
103.7881

Harmonies

Analogous

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



38.9706, 46.9946, 19.3134



33.2218, 46.9946, 27.7420



30.6168, 46.9946, 44.9319

Triad

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



33.2218, 46.9946, 27.7420



42.4324, 46.9946, 111.3149



61.2408, 46.9946, 35.9339

Complementary

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



33.2218, 46.9946, 27.7420



41.5827, 31.7049, 57.9625

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.



62.4673, 46.9946, 57.9584



33.2218, 46.9946, 27.7420



50.8930, 46.9946, 106.6352

Square

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



33.2218, 46.9946, 27.7420



35.4855, 46.9946, 96.3636



58.4783, 46.9946, 85.0572



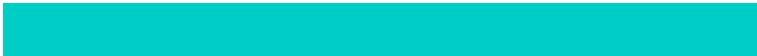
55.3095, 46.9946, 22.9164

Rectangle

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



33.2218, 46.9946, 27.7420



30.7558, 46.9946, 61.1677



58.4783, 46.9946, 85.0572



62.2443, 46.9946, 42.3243

Sweetspot

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



33.2230, 46.9966, 27.7430



81.2811, 93.3861, 86.3786



47.8750, 54.5500, 28.4282



17.0654, 19.8289, 17.9453



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.



33.2230, 46.9966, 27.7430



52.6369, 79.6268, 39.5260



35.9826, 48.1004, 42.2747



10.4975, 11.8879, 11.3041



13.1328, 26.2655, 4.3777



0.6218, 1.2437, 0.2073

Inverse Universe

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



41.5827, 31.7049, 57.9625



69.4686, 48.8378, 100.3710



37.9295, 30.2436, 38.7253



11.0831, 10.8166, 13.4211



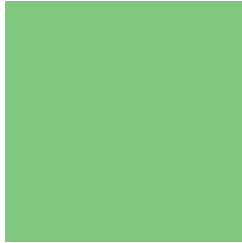
21.7737, 10.4591, 35.6139



1.0310, 0.4952, 1.6863

Previews

White Background



This preview shows how the XYZ color 33.2218, 46.9946, 27.7420 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 33.2218, 46.9946, 27.7420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

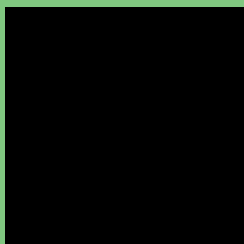
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2218, 46.9946, 27.7420

Background



This preview shows how black text looks on a background with the XYZ color 33.2218, 46.9946, 27.7420.



This preview shows how white text looks on a background with the XYZ color 33.2218, 46.9946,

27.7420.

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

33.2218, 46.9946, 27.7420

Protanopia

43.0010, 46.2985, 24.7593

Deuteranopia

47.4635, 46.4404, 29.0166



Tritanopia

40.7606, 47.0743, 64.6955

Trichromacy



Original Color

33.2218, 46.9946, 27.7420

Protanomaly

38.6346, 46.1923, 25.9485

Deuteranomaly

40.6268, 45.6002, 28.4903

Tritanomaly

37.4870, 46.7175, 48.6366

Monochromacy



Original Color

33.2218, 46.9946, 27.7420

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

35.9578, 42.3829, 37.2959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2218, 46.9946, 27.7420 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(128, 199, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 199, 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(128, 199, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 199, 128) }
```

Border

The CSS property to change the border of an element to XYZ 33.2218, 46.9946, 27.7420 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(128, 199, 128) }
```


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

```
.border{ border-color:rgb(128, 199, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 199, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 199, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 199, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 199,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2218, 46.9946, 27.7420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 199, 128) }
```

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

```
.background{ background-color: rgb(128,  
199, 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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