

Converting Colors

XYZ(33.6822, 48.0793, 27.7549)

Have a look what the booklet for
XYZ(33.6822, 48.0793, 27.7549)
contains.

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Color

**XYZ(33.6850, 47.9210,
27.8964)**

Conversions

Conversions Part 1

Format	Color
Hex	80C980
RGB	128, 201, 128
RGB Percent	50%, 79%, 50%
CMY	0.4980, 0.2117, 0.4980
CMYK	0.36, 0.00, 0.36, 0.21
HSL	120°, 40%, 65%
HSV	120°, 36%, 79%
XYZ	33.6850, 47.9210, 27.8964
YIQ	170.8510, -20.0750, -38.1790

Conversions

Conversions Part 2

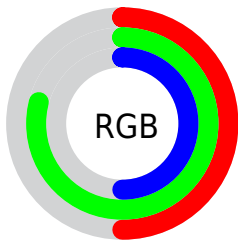
Format	Color
RYB	128, 201, 201
Decimal	8440192
CIELab	74.78, -37.44, 29.48
CIELCh	75, 47.651, 141.777
Yxy	47.9210, 0.3076, 0.4376
Android (android.graphics.Color)	4286630272 (0xFF80C980)
YUV	170.8510, -21.1255, -37.5803
Hunter-Lab	69.2250, -34.2853, 24.5647

Details

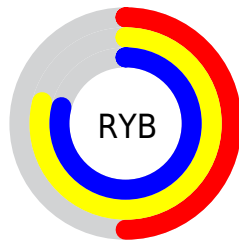
The XYZ color **33.6850, 47.9210, 27.8964** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **42.3507, 32.0738, 59.2187**, and the grayscale version is **38.7448, 40.7625, 44.3904**.

A 20% lighter version of the original color is **63.6289, 84.9235, 56.7543**, and **14.5557, 22.6037, 10.8035** is the 20% darker color. If you saturate the color by 10%, you get **29.7614, 46.0377, 21.4777**, and if you desaturate by 10%, it is **38.4720, 50.2219, 35.7255**.

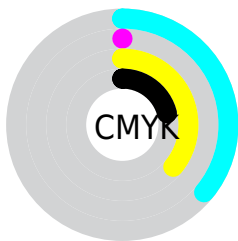
Distribution



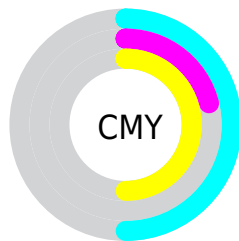
- Red (50%)
- Green (79%)
- Blue (50%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (36%)
- Black (21%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6850, 47.9210, 27.8964 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 33.6850, 47.9210, 27.8964 by changing the saturation by 10% instead.

■ 33.6850, 47.9210,
27.8964

■ 33.6850, 47.9210,
27.8964

310.3359,
378.4789, 305.8679

■ 22.8135, 33.7643,
18.0092

■ 64.7911, 87.0868,
57.3401

■ 14.5758, 22.7126,
10.7871

■ 85.7563, 112.8647,
77.7337

■ 8.6066, 14.3814,
5.8115

■ 110.8168,
143.2851, 102.4665

■ 4.5405, 8.3864,
2.6639

140.3379,
178.7324, 131.9571

■ 2.0122, 4.3432,
0.9252

174.6851,
219.5911, 166.6240

■ 0.6408, 1.8673,
0.0000

214.2235,

■ 0.0000, 0.5286,

266.2454, 206.8857

0.0000

259.3187,
319.0799, 253.1609

0.0000, 0.0000,
0.0000

33.6850, 47.9210,
27.8964

33.6850, 47.9210,
27.8964

29.7614, 46.0377,
21.4777

38.4720, 50.2219,
35.7255

26.6465, 44.5415,
16.3826

44.1657, 52.9569,
45.0385

24.2849, 43.4071,
12.5198


50.8108, 56.1488,
55.9077


22.6130, 42.6040,
9.7850


58.4480, 59.8174,
68.3996


21.5566, 42.0965,
8.0569

67.1157, 63.9809,
82.5770

 21.0208, 41.8392,
7.1804

 76.8501, 68.6568,
98.4992

 20.8876, 41.7752,
6.9627

 80.1776, 70.2552,
103.9425

Harmonies

Analogous

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



39.6484, 47.9210, 19.2542



33.6850, 47.9210, 27.8964



30.9829, 47.9210, 45.6541

Triad

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



33.6850, 47.9210, 27.8964



43.2087, 47.9210, 114.9877



62.8145, 47.9210, 36.4185

Complementary

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



33.6850, 47.9210, 27.8964



42.3507, 32.0738, 59.2187

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.



64.0824, 47.9210, 59.2952



33.6850, 47.9210, 27.8964



52.0044, 47.9210, 110.1277

Square

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



33.6850, 47.9210, 27.8964



36.0077, 47.9210, 99.2886



59.9116, 47.9210, 87.5688



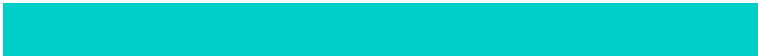
56.6389, 47.9210, 22.9781

Rectangle

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



33.6850, 47.9210, 27.8964



31.1218, 47.9210, 62.5224



59.9116, 47.9210, 87.5688



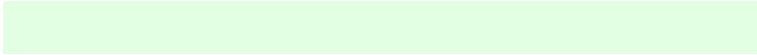
63.8576, 47.9210, 43.0423

Sweetspot

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



33.6862, 47.9230, 27.8975



81.2811, 93.3861, 86.3786



48.8724, 55.7518, 28.6076



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.



33.6862, 47.9230, 27.8975



51.9961, 79.3190, 38.4778



36.5361, 49.0630, 42.9048



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.



42.3507, 32.0738, 59.2187



69.0821, 48.0648, 100.2422



38.5541, 30.5551, 39.2260



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 33.6850, 47.9210, 27.8964 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 33.6850, 47.9210, 27.8964 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 33.6850, 47.9210, 27.8964

Background



This preview shows how black text looks on a background with the XYZ color 33.6850, 47.9210, 27.8964.



This preview shows how white text looks on a background with the XYZ color 33.6850, 47.9210,

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

33.6850, 47.9210, 27.8964

Protanopia

43.9379, 47.3896, 24.9205

Deuteranopia

48.2483, 47.1329, 29.1089



Tritanopia

41.2210, 47.6062, 66.0478

Trichromacy



Original Color

33.6850, 47.9210, 27.8964



Protanomaly

39.2851, 47.1664, 26.1023



Deuteranomaly

41.3129, 46.2612, 28.5817



Tritanomaly

38.0322, 47.6478, 49.3119

Monochromacy



Original Color

33.6850, 47.9210, 27.8964



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 33.6850, 47.9210, 27.8964 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, 201, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 201, 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, 201, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 201, 128) }
```

Border

The CSS property to change the border of an element to XYZ 33.6850, 47.9210, 27.8964 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, 201, 128) }
```


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

```
.border{ border-color:rgb(128, 201, 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, 201, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 201, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 201, 128); box-shadow:4px 4px 4px 4px rgb(128, 201, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6850, 47.9210, 27.8964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 201, 128) }
```

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

```
.background{ background-color: rgb(128,  
201, 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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