

Converting Colors

XYZ(33.5430, 48.7203, 27.0512)

Have a look what the booklet for
XYZ(33.5430, 48.7203, 27.0512)
contains.

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Color

**XYZ(33.3698, 48.4776,
27.0004)**

Conversions

Conversions Part 1

Format	Color
Hex	7CCB7D
RGB	124, 203, 125
RGB Percent	49%, 80%, 49%
CMY	0.5137, 0.2039, 0.5098
CMYK	0.39, 0.00, 0.38, 0.20
HSL	121°, 43%, 64%
HSV	121°, 39%, 80%
XYZ	33.3698, 48.4776, 27.0004
YIQ	170.4870, -22.0460, -41.0060

Conversions

Conversions Part 2

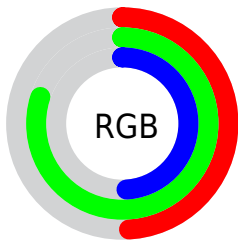
Format	Color
RYB	124, 202, 203
Decimal	8178557
CIELab	75.13, -40.05, 31.46
CIELCh	75, 50.931, 141.850
Yxy	48.4776, 0.3066, 0.4454
Android (android.graphics.Color)	4286368637 (0xFF7CCB7D)
YUV	170.4870, -22.4251, -40.7691
Hunter-Lab	69.6259, -36.2950, 25.7459

Details

The XYZ color **33.3698, 48.4776, 27.0004** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **42.4985, 31.3770, 59.6953**, and the grayscale version is **38.5692, 40.5778, 44.1892**.

A 20% lighter version of the original color is **62.6183, 84.4377, 55.1172**, and **14.3857, 22.9899, 10.3359** is the 20% darker color. If you saturate the color by 10%, you get **29.5788, 46.6580, 20.8005**, and if you desaturate by 10%, it is **38.0255, 50.7160, 34.5914**.

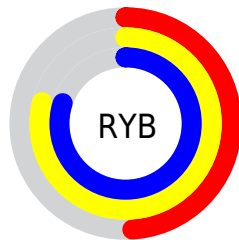
Distribution



Red (49%)

Green (80%)

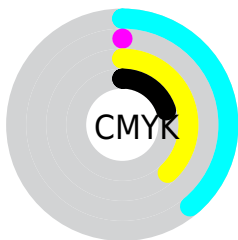
Blue (49%)



Red (49%)

Yellow (79%)

Blue (80%)

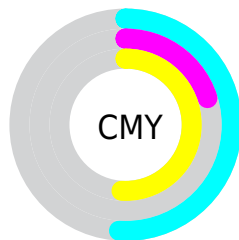


Cyan (39%)

Magenta (0%)

Yellow (38%)

Black (20%)



Cyan (51%)

Magenta (20%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3698, 48.4776, 27.0004 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 33.3698, 48.4776, 27.0004 by changing the saturation by 10% instead.

■ 33.3698, 48.4776,
27.0004

■ 33.3698, 48.4776,
27.0004

308.9484,
380.6821, 301.4193

■ 22.5705, 34.2053,
17.3411

■ 64.3033, 87.9151,
55.8883

■ 14.3956, 23.0513,
10.3134

■ 85.1681, 113.8490,
75.9539

■ 8.4799, 14.6314,
5.4990

■ 110.1189,
144.4389, 100.3253

■ 4.4579, 8.5611,
2.4791

139.5209,
180.0692, 129.4212

■ 1.9643, 4.4560,
0.8290

173.7395,
221.1243, 163.6600

■ 0.6138, 1.9318,
0.0000

213.1400,

■ 0.0000, 0.5674,

267.9885, 203.4602

0.0000

258.0879,
321.0463, 249.2405

■ 0.0000, 0.0000,
0.0000

■ 33.3698, 48.4776,
27.0004

■ 33.3698, 48.4776,
27.0004

■ 29.5788, 46.6580,
20.8005

■ 38.0255, 50.7160,
34.5914

■ 26.5959, 45.2256,
15.9045

■ 43.5908, 53.3903,
43.6475

■ 24.3636, 44.1540,
12.2202

■ 50.1118, 56.5242,
54.2410

■ 22.8151, 43.4112,
9.6422

■ 57.6302, 60.1380,
66.4387

■ 21.8720, 42.9593,
8.0469

■ 66.1857, 64.2504,
80.3034

■ 21.4104, 42.7383,
7.2571

■ 75.8153, 68.8796,
95.8945

■ 21.3710, 42.7194,
7.1932

■ 80.6469, 71.1937,
104.0990

Harmonies

Analogous

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



39.7225, 48.4776, 18.0367



33.3698, 48.4776, 27.0004



30.5138, 48.4776, 45.8358

Triad

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



33.3698, 48.4776, 27.0004



43.5819, 48.4776, 121.6476



64.7952, 48.4776, 35.8915

Complementary

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



33.3698, 48.4776, 27.0004



42.4985, 31.3770, 59.6953

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.



66.1941, 48.4776, 60.4008



33.3698, 48.4776, 27.0004



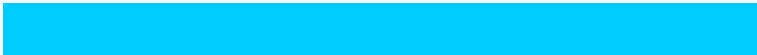
53.0743, 48.4776, 116.2017

Square

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



33.3698, 48.4776, 27.0004



35.8677, 48.4776, 104.3162



61.6577, 48.4776, 91.2667



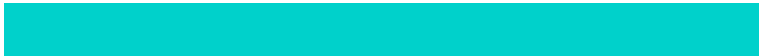
58.0590, 48.4776, 21.8326

Rectangle

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



33.3698, 48.4776, 27.0004



30.6667, 48.4776, 64.0419



61.6577, 48.4776, 91.2667



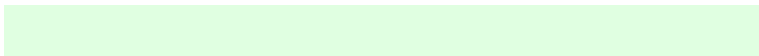
65.9386, 48.4776, 42.9291

Sweetspot

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



33.3710, 48.4796, 27.0015



80.1863, 92.8560, 84.7792



49.6247, 56.8661, 27.4299



16.8488, 19.7239, 17.6356



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.



33.3710, 48.4796, 27.0015



50.2675, 78.4800, 36.0414



36.3252, 49.6613, 42.5579



11.0737, 12.5392, 11.9457



13.6023, 27.1862, 4.5909



0.7038, 1.4033, 0.2477

Inverse Universe

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



42.4985, 31.3770, 59.6953



67.7313, 45.7524, 98.5921



38.4935, 29.7750, 38.6052



11.6812, 11.4012, 14.1218



22.3427, 10.7477, 35.8531



1.1547, 0.5553, 1.8602

Previews

White Background



This preview shows how the XYZ color 33.3698, 48.4776, 27.0004 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 33.3698, 48.4776, 27.0004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

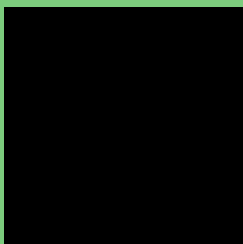
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

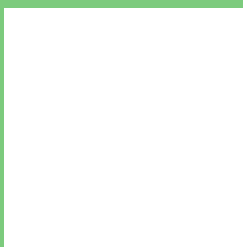
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3698, 48.4776, 27.0004

Background



This preview shows how black text looks on a background with the XYZ color 33.3698, 48.4776, 27.0004.



This preview shows how white text looks on a background with the XYZ color 33.3698, 48.4776,

27.0004.

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

33.3698, 48.4776, 27.0004

Protanopia

44.1708, 47.8447, 23.7365

Deuteranopia

48.8355, 47.7494, 28.1154



Tritanopia

41.2703, 48.2694, 66.8163

Trichromacy



Original Color

33.3698, 48.4776, 27.0004



Protanomaly

39.0342, 47.3883, 24.8588



Deuteranomaly

41.2885, 46.8931, 27.6440



Tritanomaly

37.8336, 48.2152, 49.4319

Monochromacy



Original Color

33.3698, 48.4776, 27.0004



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.6976, 42.5613, 36.9055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3698, 48.4776, 27.0004 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(124, 203, 125)` looks like.

```
.text, #text, p{  
    color:rgb(124, 203, 125)  
}
```

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(124, 203, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 203, 125) }
```

Border

The CSS property to change the border of an element to XYZ 33.3698, 48.4776, 27.0004 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(124, 203, 125) }
```


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

```
.border{ border-color:rgb(124, 203, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 203, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 203, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 203, 125); box-shadow:4px 4px 4px 4px rgb(124, 203, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3698, 48.4776, 27.0004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 203, 125) }
```

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

```
.background{ background-color: rgb(124,  
203, 125) }
```

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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