

Converting Colors

XYZ(33.7883, 50.4522, 28.3795)

Have a look what the booklet for
XYZ(33.7883, 50.4522, 28.3795)
contains.

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Color

**XYZ(33.7883, 50.4522,
28.3795)**

Conversions

Conversions Part 1

Format	Color
Hex	75D080
RGB	117, 208, 128
RGB Percent	46%, 82%, 50%
CMY	0.5412, 0.1843, 0.4980
CMYK	0.44, 0.00, 0.38, 0.18
HSL	127°, 49%, 64%
HSV	127°, 44%, 82%
XYZ	33.7883, 50.4522, 28.3795
YIQ	171.6710, -28.5560, -44.1720

Conversions

Conversions Part 2

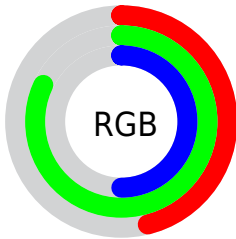
Format	Color
RYB	117, 198, 208
Decimal	7721088
CIELab	76.35, -43.85, 31.46
CIELCh	76, 53.965, 144.338
Yxy	50.4522, 0.3000, 0.4480
Android (android.graphics.Color)	4285911168 (0xFF75D080)
YUV	171.6710, -21.5298, -47.9465
Hunter-Lab	71.0297, -39.3909, 26.0318

Details

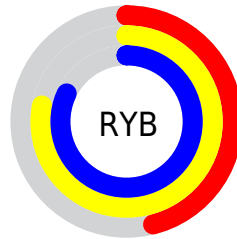
The XYZ color **33.7883, 50.4522, 28.3795** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **42.4534, 30.1647, 56.4099**, and the grayscale version is **39.1631, 41.2027, 44.8697**.

A 20% lighter version of the original color is **61.4371, 83.7816, 57.1894**, and **14.6908, 24.3246, 11.1286** is the 20% darker color. If you saturate the color by 10%, you get **30.2009, 48.7311, 22.4853**, and if you desaturate by 10%, it is **38.2161, 52.5844, 35.4474**.

Distribution



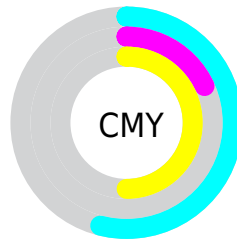
- Red (46%)
- Green (82%)
- Blue (50%)



- Red (46%)
- Yellow (78%)
- Blue (82%)



- Cyan (44%)
- Magenta (0%)
- Yellow (38%)
- Black (18%)



- Cyan (54%)
- Magenta (18%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7883, 50.4522, 28.3795 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 33.7883, 50.4522, 28.3795 by changing the saturation by 10% instead.

■ 33.7883, 50.4522,
28.3795

■ 33.7883, 50.4522,
28.3795

310.7896,
388.4317, 308.2447

■ 22.8931, 35.7728,
18.3704

■ 64.9508, 90.8445,
58.1201

■ 14.6349, 24.2588,
11.0441

■ 85.9488, 117.3263,
78.6888

■ 8.6482, 15.5257,
5.9819

■ 111.0452,
148.5109, 103.6143

■ 4.5677, 9.1892,
2.7655

140.6053,
184.7829, 133.3153

■ 2.0280, 4.8648,
0.9762

174.9944,
226.5265, 168.2103

■ 0.6496, 2.1681,
0.0000

214.5779,

■ 0.0000, 0.7025,

274.1263, 208.7178

0.0000

259.7212,
327.9666, 255.2564

■ 0.0000, 0.0000,
0.0000

■ 33.7883, 50.4522,
28.3795

■ 33.7883, 50.4522,
28.3795

■ 30.2009, 48.7311,
22.4853

■ 38.2161, 52.5844,
35.4474

■ 27.3969, 47.3886,
17.6981

■ 43.5290, 55.1452,
43.7443

■ 25.3180, 46.3977,
13.9498


■ 49.7731, 58.1585,
53.3258


■ 23.8962, 45.7249,
11.1630

■ 56.9903, 61.6450,
64.2433

■ 23.0501, 45.3302,
9.2500

■ 65.2198, 65.6236,
76.5454

 22.7339, 45.1846,
8.4512

 74.4986, 70.1127,
90.2782

 81.8469, 73.5937,
104.4990

Harmonies

Analogous

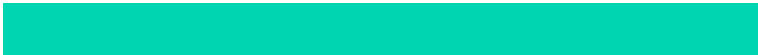
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.3561, 50.4522, 18.1390



33.7883, 50.4522, 28.3795



31.0452, 50.4522, 49.6049

Triad

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



33.7883, 50.4522, 28.3795



46.0546, 50.4522, 131.3757



68.0097, 50.4522, 34.9797

Complementary

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



33.7883, 50.4522, 28.3795



42.4534, 30.1647, 56.4099

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.



70.0985, 50.4522, 60.6314



33.7883, 50.4522, 28.3795



56.4487, 50.4522, 123.1631

Square

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



33.7883, 50.4522, 28.3795



37.4574, 50.4522, 113.9616



65.6093, 50.4522, 94.3585



60.2467, 50.4522, 20.9012

Rectangle

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



33.7883, 50.4522, 28.3795



31.4302, 50.4522, 69.9600



65.6093, 50.4522, 94.3585



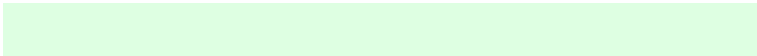
69.4407, 50.4522, 42.2298

Sweetspot

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



33.7896, 50.4543, 28.3806



79.5462, 92.5091, 85.5125



48.8953, 58.3208, 25.5100



16.5204, 19.5566, 17.5324



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.



33.7896, 50.4543, 28.3806



47.9422, 77.2853, 35.7534



37.4476, 51.9175, 47.6433



11.7136, 13.2292, 12.8483



14.1874, 28.1679, 5.3673



0.8131, 1.5829, 0.4043

Inverse Universe

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



42.4534, 30.1647, 56.4099



63.4685, 40.8689, 85.9431



38.0331, 28.3966, 33.1332



12.2467, 11.9834, 14.5749



21.5541, 10.4945, 28.8877



1.2229, 0.5939, 1.7087

Previews

White Background



This preview shows how the XYZ color 33.7883, 50.4522, 28.3795 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 33.7883, 50.4522, 28.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

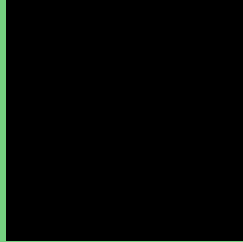
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7883, 50.4522, 28.3795

Background



This preview shows how black text looks on a background with the XYZ color 33.7883, 50.4522, 28.3795.



This preview shows how white text looks on a background with the XYZ color 33.7883, 50.4522,

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

33.7883, 50.4522, 28.3795

Protanopia

46.0623, 49.7341, 24.9412

Deuteranopia

50.6175, 49.5191, 29.8120



Tritanopia

42.3234, 50.3941, 71.1147

Trichromacy



Original Color

33.7883, 50.4522, 28.3795



Protanomaly

40.1035, 49.2309, 26.1277



Deuteranomaly

42.3455, 48.6832, 28.9947



Tritanomaly

38.5699, 50.2492, 52.4660

Monochromacy



Original Color

33.7883, 50.4522, 28.3795



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.2986, 43.7736, 37.9885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7883, 50.4522, 28.3795 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(117, 208, 128)` looks like.

```
.text, #text, p{  
    color:rgb(117, 208, 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(117, 208, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 208, 128) }
```

Border

The CSS property to change the border of an element to XYZ 33.7883, 50.4522, 28.3795 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(117, 208, 128) }
```


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

```
.border{ border-color:rgb(117, 208, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 208, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 208, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 208, 128);  
box-shadow:4px 4px 4px 4px rgb(117, 208,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7883, 50.4522, 28.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 208, 128) }
```

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

```
.background{ background-color: rgb(117,  
208, 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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