

Converting Colors

XYZ(17.9255, 33.6247, 12.8386)

Have a look what the booklet for
XYZ(17.9255, 33.6247, 12.8386)
contains.

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Color

**XYZ(17.8990, 33.5978,
12.7494)**

Conversions

Conversions Part 1

Format	Color
Hex	00B54E
RGB	0, 181, 78
RGB Percent	0%, 71%, 31%
CMY	1.0000, 0.2902, 0.6941
CMYK	1.00, 0.00, 0.57, 0.29
HSL	146°, 100%, 35%
HSV	146°, 100%, 71%
XYZ	17.8990, 33.5978, 12.7494
YIQ	115.1390, -74.8130, -70.4050

Conversions

Conversions Part 2

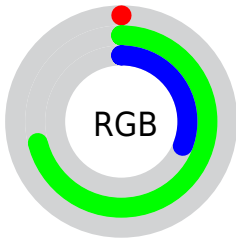
Format	Color
RYB	0, 126, 181
Decimal	46414
CIELab	64.64, -61.00, 41.19
CIELCh	65, 73.607, 145.970
Yxy	33.5978, 0.2786, 0.5230
Android (android.graphics.Color)	4278236494 (0xFF00B54E)
YUV	115.1390, -18.3095, -100.9769
Hunter-Lab	57.9636, -46.3160, 27.5334

Details

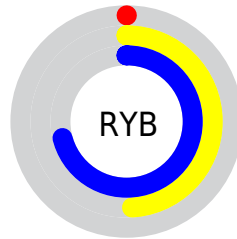
The XYZ color **17.8990, 33.5978, 12.7494** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.5052, 10.8036, 13.7848**, and the grayscale version is **16.4089, 17.2634, 18.7998**.

A 20% lighter version of the original color is **39.3231, 65.1937, 31.6302**, and **7.6587, 15.0008, 3.5287** is the 20% darker color. If you saturate the color by 10%, you get **17.8997, 33.5991, 12.7498**, and if you desaturate by 10%, it is **18.5500, 33.8883, 14.8619**.

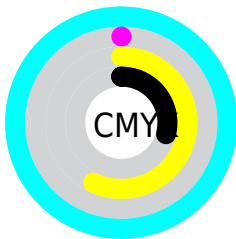
Distribution



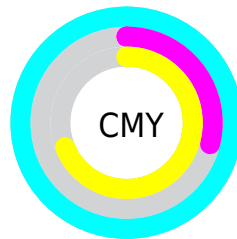
- Red (0%)
- Green (71%)
- Blue (31%)



- Red (0%)
- Yellow (49%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8990, 33.5978, 12.7494 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 17.8990, 33.5978, 12.7494 by changing the saturation by 10% instead.


 17.8990, 33.5978,
12.7494


 17.8990, 33.5978,
12.7494

233.3578,
318.3349, 220.4564


 10.9767, 22.5848,
7.1275


 39.3966, 65.3077,
31.5374


 6.1184, 14.2872,
3.4623


 54.7026, 86.7734,
45.5406


 2.9585, 8.3207,
1.3353


 73.5340, 112.4922,
63.1746

 1.1319, 4.3008,
0.0904

 96.2560, 142.8483,
84.8580

 0.0515, 1.8432,
0.0000

 123.2340,
178.2263, 111.0094

 0.0000, 0.5139,
0.0000

 154.8334,

 0.0000, 0.0000,

219.0104, 142.0472

0.0000

191.4195,
265.5852, 178.3900

■ 17.8990, 33.5978,
12.7494

■ 17.8990, 33.5978,
12.7494

■ 17.8997, 33.5991,
12.7498

■ 18.5500, 33.8883,
14.8619

■ 19.4924, 34.3211,
17.3025

■ 20.8174, 34.9438,
20.0885

■ 22.5693, 35.7792,
23.2336

■ 24.7863, 36.8465,
26.7507

■ 27.5020, 38.1630,
30.6521

■ 30.7466, 39.7439,
34.9492

■ 34.5481, 41.6035,
39.6531

■ 38.9322, 43.7547,
44.7744

Harmonies

Analogous

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



23.8484, 33.5978, 5.2650



17.8990, 33.5978, 12.7494



15.6707, 33.5978, 32.6489

Triad

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



17.8990, 33.5978, 12.7494



30.5290, 33.5978, 130.5330



53.8647, 33.5978, 16.5827

Complementary

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



17.8990, 33.5978, 12.7494



21.5052, 10.8036, 13.7848

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.



56.7462, 33.5978, 40.8196



17.8990, 33.5978, 12.7494



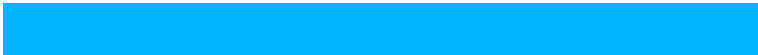
41.6665, 33.5978, 117.6203

Square

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



17.8990, 33.5978, 12.7494



21.8728, 33.5978, 108.9472



51.8695, 33.5978, 79.6814



44.6855, 33.5978, 6.4680

Rectangle

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



17.8990, 33.5978, 12.7494



16.1310, 33.5978, 55.0088



51.8695, 33.5978, 79.6814



55.6780, 33.5978, 22.8124

Sweetspot

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



17.8998, 33.5992, 12.7502



54.7487, 71.0236, 62.1864



22.4194, 36.0880, 5.7842



11.2913, 15.0865, 12.7355



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



17.8998, 33.5992, 12.7502



31.9477, 60.1294, 22.2594



23.4002, 35.7993, 41.7145



8.5359, 9.5489, 9.8159



12.3726, 23.1750, 8.9651



0.4188, 0.7410, 0.4372

Inverse Universe

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



21.5052, 10.8036, 13.7848



38.3974, 19.3015, 24.0744



19.1437, 9.8590, 1.3492



8.6922, 8.5836, 9.8774



14.8599, 7.4615, 9.6881



0.4961, 0.2462, 0.4553

Previews

White Background



This preview shows how the XYZ color 17.8990, 33.5978, 12.7494 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 17.8990, 33.5978, 12.7494 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 17.8990, 33.5978, 12.7494

Background



This preview shows how black text looks on a background with the XYZ color 17.8990, 33.5978, 12.7494.



This preview shows how white text looks on a background with the XYZ color 17.8990, 33.5978,

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

17.8990, 33.5978, 12.7494

Protanopia

30.2275, 33.1034, 10.5908

Deuteranopia

33.5454, 32.8151, 13.5827



Tritanopia

25.6250, 33.5497, 50.4726

Trichromacy



Original Color

17.8990, 33.5978, 12.7494



Protanomaly

21.0881, 30.7063, 11.1188



Deuteranomaly

22.0562, 29.8467, 12.9860



Tritanomaly

21.3291, 32.8743, 32.0093

Monochromacy



Original Color

17.8990, 33.5978, 12.7494



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.3785, 20.8410, 15.8353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8990, 33.5978, 12.7494 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(0, 181, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 78)  
}
```

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(0, 181, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 78) }
```

Border

The CSS property to change the border of an element to XYZ 17.8990, 33.5978, 12.7494 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(0, 181, 78) }
```


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

```
.border{ border-color:rgb(0, 181, 78) }
```

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

Here you see how a box with a 4 pixel rgb(0, 181, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8990, 33.5978, 12.7494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 78) }
```

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

```
.background{ background-color: rgb(0, 181,  
78) }
```

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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