

Converting Colors

XYZ(17.7598, 32.8961, 14.0079)

Have a look what the booklet for
XYZ(17.7598, 32.8961, 14.0079)
contains.

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Color

**XYZ(17.7598, 32.8961,
14.0079)**

Conversions

Conversions Part 1

Format	Color
Hex	00B355
RGB	0, 179, 85
RGB Percent	0%, 70%, 33%
CMY	1.0000, 0.2980, 0.6667
CMYK	1.00, 0.00, 0.53, 0.30
HSL	148°, 100%, 35%
HSV	148°, 100%, 70%
XYZ	17.7598, 32.8961, 14.0079
YIQ	114.7630, -76.5100, -67.1820

Conversions

Conversions Part 2

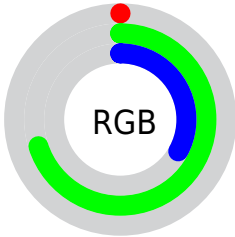
Format	Color
RYB	0, 121, 179
Decimal	45909
CIELab	64.08, -59.31, 37.10
CIELCh	64, 69.957, 147.973
Yxy	32.8961, 0.2746, 0.5087
Android (android.graphics.Color)	4278235989 (0xFF00B355)
YUV	114.7630, -14.6732, -100.6472
Hunter-Lab	57.3551, -45.0996, 25.6681

Details

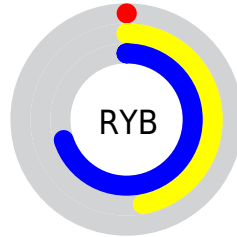
The XYZ color **17.7598, 32.8961, 14.0079** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.6119, 10.3925, 11.5108**, and the grayscale version is **16.2846, 17.1326, 18.6574**.

A 20% lighter version of the original color is **39.2301, 64.2299, 33.9969**, and **7.6521, 14.7946, 4.1214** is the 20% darker color. If you saturate the color by 10%, you get **17.7604, 32.8973, 14.0080**, and if you desaturate by 10%, it is **18.4070, 33.1846, 16.1199**.

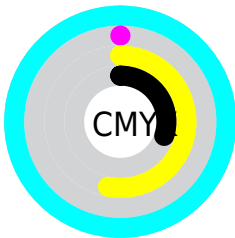
Distribution



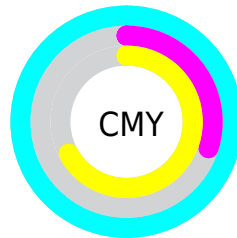
- Red (0%)
- Green (70%)
- Blue (33%)



- Red (0%)
- Yellow (47%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7598, 32.8961, 14.0079 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 17.7598, 32.8961, 14.0079 by changing the saturation by 10% instead.


 17.7598, 32.8961,
14.0079


 17.7598, 32.8961,
14.0079


232.5855,
315.1813, 228.7101


 10.8763, 22.0469,
7.9873

 39.1609, 64.2133,
33.8204


 6.0504, 13.8913,
3.9992


 54.4092, 85.4500,
48.4494


 2.9167, 8.0451,
1.6249


 73.1766, 110.9180,
66.7849

 1.1099, 4.1238,
0.3085

 95.8282, 141.0017,
89.2456

 0.0334, 1.7431,
0.0000

 122.7296,
176.0855, 116.2499

 0.0000, 0.4513,
0.0000

 154.2460,

 0.0000, 0.0000,

216.5538, 148.2164

0.0000

190.7429,
262.7909, 185.5636

■ 17.7598, 32.8961,
14.0079

■ 17.7598, 32.8961,
14.0079

■ 17.7604, 32.8973,
14.0080

■ 18.4070, 33.1846,
16.1199

■ 19.3303, 33.6086,
18.5127

■ 20.6185, 34.2145,
21.2004

■ 22.3145, 35.0243,
24.1935

■ 24.4546, 36.0566,
27.5021

■ 27.0712, 37.3278,
31.1357

■ 30.1934, 38.8527,
35.1033

■ 33.8478, 40.6450,
39.4134

■ 38.0591, 42.7173,
44.0744

Harmonies

Analogous

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



23.1702, 32.8961, 6.0409



17.7598, 32.8961, 14.0079



15.8558, 32.8961, 33.9270

Triad

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



17.7598, 32.8961, 14.0079



30.5992, 32.8961, 122.4363



51.2418, 32.8961, 15.8683

Complementary

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



17.7598, 32.8961, 14.0079



20.6119, 10.3925, 11.5108

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.



54.3745, 32.8961, 37.7785



17.7598, 32.8961, 14.0079



41.0589, 32.8961, 108.6326

Square

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



17.7598, 32.8961, 14.0079



22.2296, 32.8961, 104.6478



50.3129, 32.8961, 73.1462



42.4713, 32.8961, 6.6480

Rectangle

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



17.7598, 32.8961, 14.0079



16.4454, 32.8961, 55.3830



50.3129, 32.8961, 73.1462



53.0608, 32.8961, 21.5073

Sweetspot

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



17.7606, 32.8974, 14.0087



53.7655, 69.4308, 62.4894



20.8892, 34.6997, 5.5969



11.3748, 15.1198, 13.1749



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.



17.7606, 32.8974, 14.0087



31.6955, 58.8713, 24.4986



23.6672, 35.2601, 45.1122



8.5514, 9.5550, 9.8972



12.5823, 23.2589, 10.0693



0.4254, 0.7436, 0.4724

Inverse Universe

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



20.6119, 10.3925, 11.5108



36.7992, 18.5659, 20.0113



18.6239, 9.5973, 1.0424



8.6765, 8.5773, 9.7951



14.5977, 7.3567, 8.3076



0.4885, 0.2432, 0.4153

Previews

White Background



This preview shows how the XYZ color 17.7598, 32.8961, 14.0079 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 17.7598, 32.8961, 14.0079 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 17.7598, 32.8961, 14.0079

Background



This preview shows how black text looks on a background with the XYZ color 17.7598, 32.8961, 14.0079.



This preview shows how white text looks on a background with the XYZ color 17.7598, 32.8961,

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

17.7598, 32.8961, 14.0079

Protanopia

29.4727, 32.1931, 11.6817

Deuteranopia

32.9030, 32.2225, 14.8413



Tritanopia

25.0857, 33.0185, 49.3070

Trichromacy



Original Color

17.7598, 32.8961, 14.0079



Protanomaly

20.7295, 29.9617, 12.2800



Deuteranomaly

21.8513, 29.4564, 14.2068



Tritanomaly

21.2487, 32.5292, 32.7626

Monochromacy



Original Color

17.7598, 32.8961, 14.0079



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.3348, 20.5929, 16.3160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7598, 32.8961, 14.0079 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, 179, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 85)  
}
```

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, 179, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 85) }
```

Border

The CSS property to change the border of an element to XYZ 17.7598, 32.8961, 14.0079 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, 179, 85) }
```


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

```
.border{ border-color:rgb(0, 179, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7598, 32.8961, 14.0079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 85) }
```

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

```
.background{ background-color: rgb(0, 179,  
85) }
```

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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