

Converting Colors

XYZ(17.7302, 32.7242, 14.3456)

Have a look what the booklet for
XYZ(17.7302, 32.7242, 14.3456)
contains.

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Color

**XYZ(17.8404, 32.9283,
14.4323)**

Conversions

Conversions Part 1

Format	Color
Hex	00B357
RGB	0, 179, 87
RGB Percent	0%, 70%, 34%
CMY	1.0000, 0.2980, 0.6588
CMYK	1.00, 0.00, 0.51, 0.30
HSL	149°, 100%, 35%
HSV	149°, 100%, 70%
XYZ	17.8404, 32.9283, 14.4323
YIQ	114.9910, -77.1520, -66.5600

Conversions

Conversions Part 2

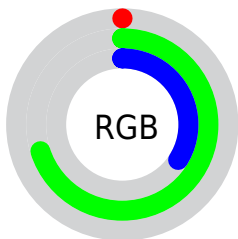
Format	Color
RYB	0, 120, 179
Decimal	45911
CIELab	64.10, -58.99, 36.13
CIELCh	64, 69.178, 148.510
Yxy	32.9283, 0.2736, 0.5050
Android (android.graphics.Color)	4278235991 (0xFF00B357)
YUV	114.9910, -13.7996, -100.8471
Hunter-Lab	57.3832, -44.9250, 25.2564

Details

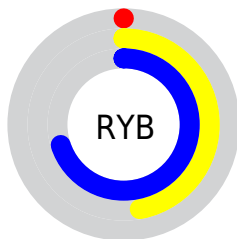
The XYZ color **17.8404, 32.9283, 14.4323** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.5234, 10.3571, 11.0449**, and the grayscale version is **16.3515, 17.2031, 18.7342**.

A 20% lighter version of the original color is **39.3750, 64.2879, 34.7596**, and **7.6835, 14.8072, 4.2868** is the 20% darker color. If you saturate the color by 10%, you get **17.8409, 32.9295, 14.4321**, and if you desaturate by 10%, it is **18.4891, 33.2174, 16.5525**.

Distribution



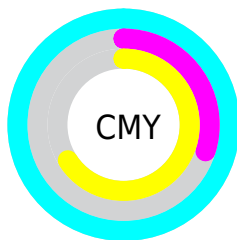
- Red (0%)
- Green (70%)
- Blue (34%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8404, 32.9283, 14.4323 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 17.8404, 32.9283, 14.4323 by changing the saturation by 10% instead.


 17.8404, 32.9283,
14.4323


 17.8404, 32.9283,
14.4323


233.0329,
315.3265, 231.4250


 10.9345, 22.0715,
8.2798


 39.2974, 64.2636,
34.5822


 6.0897, 13.9095,
4.1842


 54.5792, 85.5109,
49.4167


 2.9409, 8.0577,
1.7269


 73.3836, 110.9904,
67.9823

 1.1226, 4.1319,
0.3791

 96.0760, 141.0867,
90.6975

 0.0439, 1.7476,
0.0000

 123.0218,
176.1840, 117.9808

 0.0000, 0.4542,
0.0000

 154.5863,

 0.0000, 0.0000,

216.6669, 150.2508

0.0000

191.1349,
262.9196, 187.9260

■ 17.8404, 32.9283,
14.4323

■ 17.8404, 32.9283,
14.4323

■ 17.8409, 32.9295,
14.4321

■ 18.4891, 33.2174,
16.5525

■ 19.4122, 33.6413,
18.9439

■ 20.6983, 34.2464,
21.6197

■ 22.3900, 35.0545,
24.5901

■ 24.5237, 36.0842,
27.8645

■ 27.1316, 37.3519,
31.4518

■ 30.2426, 38.8724,
35.3605

■ 33.8834, 40.6593,
39.5988

■ 38.0786, 42.7251,
44.1744

Harmonies

Analogous

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



23.1494, 32.9283, 6.2913



17.8404, 32.9283, 14.4323



16.0069, 32.9283, 34.4709

Triad

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



17.8404, 32.9283, 14.4323



30.8109, 32.9283, 121.1803



50.9092, 32.9283, 15.7957

Complementary

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



17.8404, 32.9283, 14.4323



20.5234, 10.3571, 11.0449

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.



54.1210, 32.9283, 37.2722



17.8404, 32.9283, 14.4323



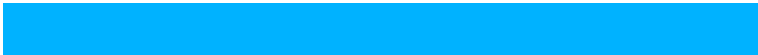
41.1627, 32.9283, 107.0910

Square

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



17.8404, 32.9283, 14.4323



22.4635, 32.9283, 104.2123



50.2358, 32.9283, 72.0004



42.1880, 32.9283, 6.7406

Rectangle

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



17.8404, 32.9283, 14.4323



16.6332, 32.9283, 55.8218



50.2358, 32.9283, 72.0004



52.7400, 32.9283, 21.3248

Sweetspot

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



17.8412, 32.9296, 14.4331



53.8539, 69.4662, 62.9550



20.5834, 34.5420, 5.5827



11.3963, 15.1285, 13.2883



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.



17.8412, 32.9296, 14.4331



31.8389, 58.9287, 25.2540



23.9593, 35.3768, 46.6502



8.5553, 9.5566, 9.9179



12.6394, 23.2817, 10.3700



0.4272, 0.7443, 0.4817

Inverse Universe

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



20.5234, 10.3571, 11.0449



36.6410, 18.5026, 19.1783



18.6076, 9.5908, 0.9564



8.6726, 8.5758, 9.7743



14.5351, 7.3316, 7.9777



0.4867, 0.2424, 0.4055

Previews

White Background



This preview shows how the XYZ color 17.8404, 32.9283, 14.4323 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 17.8404, 32.9283, 14.4323 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 17.8404, 32.9283, 14.4323

Background



This preview shows how black text looks on a background with the XYZ color 17.8404, 32.9283, 14.4323.



This preview shows how white text looks on a background with the XYZ color 17.8404, 32.9283,

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

17.8404, 32.9283, 14.4323

Protanopia

29.5444, 32.2218, 12.0594

Deuteranopia

32.9928, 32.2585, 15.3141



Tritanopia

25.0857, 33.0185, 49.3070

Trichromacy



Original Color

17.8404, 32.9283, 14.4323



Protanomaly

20.8045, 29.9917, 12.6751



Deuteranomaly

21.9377, 29.4909, 14.6613



Tritanomaly

21.2487, 32.5292, 32.7626

Monochromacy



Original Color

17.8404, 32.9283, 14.4323



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.3859, 20.6133, 16.5852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8404, 32.9283, 14.4323 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 87) }
```

Border

The CSS property to change the border of an element to XYZ 17.8404, 32.9283, 14.4323 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, 87) }
```


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

```
.border{ border-color:rgb(0, 179, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8404, 32.9283, 14.4323 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, 87) }
```

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

```
.background{ background-color: rgb(0, 179,  
87) }
```

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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