

Converting Colors

XYZ(17.8332, 32.7654, 14.8876)

Have a look what the booklet for
XYZ(17.8332, 32.7654, 14.8876)
contains.

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Color

**XYZ(17.9233, 32.9615,
14.8687)**

Conversions

Conversions Part 1

Format	Color
Hex	00B359
RGB	0, 179, 89
RGB Percent	0%, 70%, 35%
CMY	1.0000, 0.2980, 0.6510
CMYK	1.00, 0.00, 0.50, 0.30
HSL	150°, 100%, 35%
HSV	150°, 100%, 70%
XYZ	17.9233, 32.9615, 14.8687
YIQ	115.2190, -77.7940, -65.9380

Conversions

Conversions Part 2

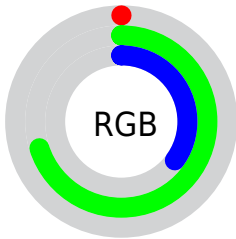
Format	Color
RYB	0, 120, 179
Decimal	45913
CIELab	64.13, -58.66, 35.16
CIELCh	64, 68.395, 149.061
Yxy	32.9615, 0.2726, 0.5013
Android (android.graphics.Color)	4278235993 (0xFF00B359)
YUV	115.2190, -12.9260, -101.0471
Hunter-Lab	57.4121, -44.7458, 24.8334

Details

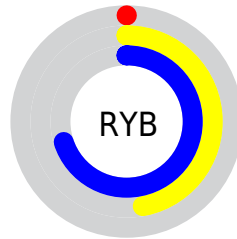
The XYZ color **17.9233, 32.9615, 14.8687** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **20.4372, 10.3227, 10.5905**, and the grayscale version is **16.4185, 17.2736, 18.8109**.

A 20% lighter version of the original color is **39.4193, 64.2937, 35.5316**, and **7.7166, 14.8204, 4.4614** is the 20% darker color. If you saturate the color by 10%, you get **17.9238, 32.9627, 14.8684**, and if you desaturate by 10%, it is **18.5732, 33.2511, 16.9952**.

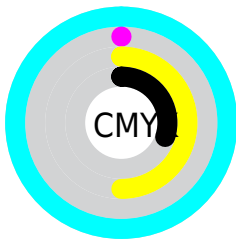
Distribution



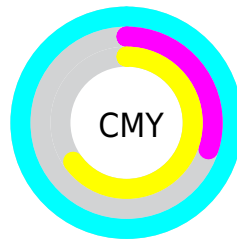
- Red (0%)
- Green (70%)
- Blue (35%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.9233, 32.9615, 14.8687 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 17.9233, 32.9615, 14.8687 by changing the saturation by 10% instead.


 17.9233, 32.9615,
14.8687


 17.9233, 32.9615,
14.8687


233.4923,
315.4762, 234.1835


 10.9943, 22.0970,
8.5817


 39.4377, 64.3154,
35.3617


 6.1303, 13.9282,
4.3763


 54.7538, 85.5736,
50.4048


 2.9659, 8.0707,
1.8340


 73.5963, 111.0651,
69.2037

 1.1357, 4.1402,
0.4502

 96.3306, 141.1743,
92.1768

 0.0547, 1.7523,
0.0000

 123.3219,
176.2856, 119.7429

 0.0000, 0.4572,
0.0000

 154.9358,

 0.0000, 0.0000,

216.7834, 152.3203

0.0000

191.5375,
263.0522, 190.3276

■ 17.9233, 32.9615,
14.8687

■ 17.9233, 32.9615,
14.8687

■ 17.9238, 32.9627,
14.8684

■ 18.5732, 33.2511,
16.9952

■ 19.4957, 33.6747,
19.3832

■ 20.7792, 34.2788,
22.0455

■ 22.4663, 35.0851,
24.9916

■ 24.5932, 36.1121,
28.2303

■ 27.1921, 37.3762,
31.7700

■ 30.2918, 38.8922,
35.6189

■ 33.9188, 40.6735,
39.7845

■ 38.0978, 42.7328,
44.2742

Harmonies

Analogous

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



23.1302, 32.9615, 6.5514



17.9233, 32.9615, 14.8687



16.1612, 32.9615, 35.0232

Triad

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



17.9233, 32.9615, 14.8687



31.0250, 32.9615, 119.9180



50.5758, 32.9615, 15.7253

Complementary

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



17.9233, 32.9615, 14.8687



20.4372, 10.3227, 10.5905

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.



53.8657, 32.9615, 36.7699



17.9233, 32.9615, 14.8687



41.2668, 32.9615, 105.5509

Square

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



17.9233, 32.9615, 14.8687



22.7014, 32.9615, 103.7683



50.1573, 32.9615, 70.8600



41.9048, 32.9615, 6.8364

Rectangle

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



17.9233, 32.9615, 14.8687



16.8248, 32.9615, 56.2628



50.1573, 32.9615, 70.8600



52.4179, 32.9615, 21.1448

Sweetspot

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



17.9241, 32.9628, 14.8695



53.9429, 69.5017, 63.4233



20.5835, 34.5421, 5.5827



11.4180, 15.1371, 13.4025



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.



17.9241, 32.9628, 14.8695



31.9866, 58.9878, 26.0318



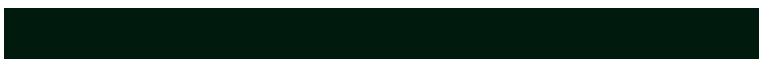
23.9593, 35.3769, 46.6503



8.5593, 9.5582, 9.9387



12.6981, 23.3052, 10.6792



0.4290, 0.7451, 0.4912

Inverse Universe

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



20.4372, 10.3227, 10.5905



36.4870, 18.4410, 18.3671



18.6076, 9.5909, 0.9564



8.6686, 8.5742, 9.7534



14.4740, 7.3072, 7.6560



0.4848, 0.2417, 0.3959

Previews

White Background



This preview shows how the XYZ color 17.9233, 32.9615, 14.8687 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 17.9233, 32.9615, 14.8687 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 17.9233, 32.9615, 14.8687

Background



This preview shows how black text looks on a background with the XYZ color 17.9233, 32.9615, 14.8687.



This preview shows how white text looks on a background with the XYZ color 17.9233, 32.9615,

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

17.9233, 32.9615, 14.8687

Protanopia

29.5811, 32.2364, 12.2526

Deuteranopia

32.8411, 32.1696, 15.7877



Tritanopia

25.0857, 33.0185, 49.3070

Trichromacy



Original Color

17.9233, 32.9615, 14.8687



Protanomaly

20.8429, 30.0071, 12.8770



Deuteranomaly

21.8897, 29.4560, 15.1215



Tritanomaly

21.3276, 32.5607, 33.1777

Monochromacy



Original Color

17.9233, 32.9615, 14.8687



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.4377, 20.6340, 16.8575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9233, 32.9615, 14.8687 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 89) }
```

Border

The CSS property to change the border of an element to XYZ 17.9233, 32.9615, 14.8687 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, 89) }
```


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

```
.border{ border-color:rgb(0, 179, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.9233, 32.9615, 14.8687 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, 89) }
```

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

```
.background{ background-color: rgb(0, 179,  
89) }
```

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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