

Converting Colors

XYZ(16.8659, 32.8533, 6.4798)

Have a look what the booklet for
XYZ(16.8659, 32.8533, 6.4798)
contains.

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Color

**XYZ(16.8958, 32.9158,
6.4998)**

Conversions

Conversions Part 1

Format	Color
Hex	18B41B
RGB	24, 180, 27
RGB Percent	9%, 71%, 11%
CMY	0.9059, 0.2941, 0.8941
CMYK	0.87, 0.00, 0.85, 0.29
HSL	121°, 76%, 40%
HSV	121°, 87%, 71%
XYZ	16.8958, 32.9158, 6.4998
YIQ	115.9140, -43.8630, -80.6550

Conversions

Conversions Part 2

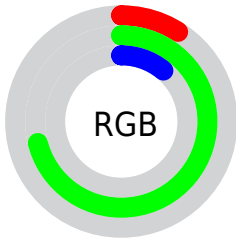
Format	Color
RYB	24, 177, 180
Decimal	1618971
CIELab	64.09, -64.09, 59.93
CIELCh	64, 87.743, 136.923
Yxy	32.9158, 0.3000, 0.5845
Android (android.graphics.Color)	4279809051 (0xFF18B41B)
YUV	115.9140, -43.8346, -80.6086
Hunter-Lab	57.3723, -47.8343, 33.4435

Details

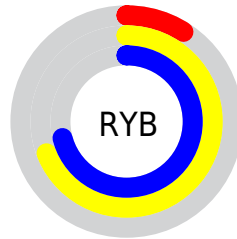
The XYZ color **16.8958, 32.9158, 6.4998** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **27.0853, 13.5313, 42.7777**, and the grayscale version is **16.7149, 17.5854, 19.1505**.

A 20% lighter version of the original color is **37.5980, 64.1401, 19.4155**, and **7.3336, 14.6672, 2.4445** is the 20% darker color. If you saturate the color by 10%, you get **16.4483, 32.7030, 5.7140**, and if you desaturate by 10%, it is **17.7440, 33.3229, 7.9454**.

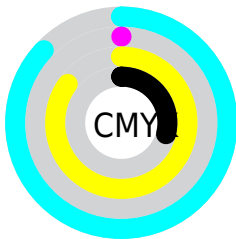
Distribution



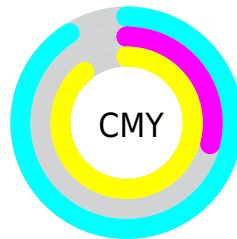
- Red (9%)
- Green (71%)
- Blue (11%)



- Red (9%)
- Yellow (69%)
- Blue (71%)



- Cyan (87%)
- Magenta (0%)
- Yellow (85%)
- Black (29%)





- Cyan (91%)
- Magenta (29%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8958, 32.9158, 6.4998 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 16.8958, 32.9158, 6.4998 by changing the saturation by 10% instead.


 16.8958, 32.9158,
6.4998


 16.8958, 32.9158,
6.4998


227.7392,
315.2702, 172.9103


 10.2551, 22.0620,
3.0776


 37.6916, 64.2440,
19.4551


 5.6320, 13.9024,
1.1344


 52.5773, 85.4872,
29.8253

 2.6611, 8.0528,
0.0000


 70.9421, 110.9623,
43.3486

 0.9772, 4.1288,
0.0000

 93.1513, 141.0537,
60.4435

 0.0000, 1.7459,
0.0000

 119.5702,
176.1458, 81.5286

 0.0000, 0.4531,
0.0000

 150.5643,

 0.0000, 0.0000,

216.6230, 107.0224

0.0000

186.4988,
262.8696, 137.3434

■ 16.8958, 32.9158,
6.4998

■ 16.8958, 32.9158,
6.4998

■ 16.4483, 32.7030,
5.7140

■ 17.7440, 33.3229,
7.9454

■ 16.3409, 32.6514,
5.5407

■ 19.0638, 33.9558,
10.1523

■ 20.9109, 34.8424,
13.2065

■ 23.3330, 36.0055,
17.1820

■ 26.3723, 37.4656,
22.1447

■ 30.0671, 39.2412,
28.1543

■ 34.4526, 41.3491,
35.2662

■ 39.5614, 43.8051,
43.5315

■ 45.4241, 46.6241,
52.9982

Harmonies

Analogous

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



24.8427, 32.9158, 2.1608



16.8958, 32.9158, 6.4998



13.3273, 32.9158, 22.4982

Triad

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



16.8958, 32.9158, 6.4998



26.1927, 32.9158, 152.0695



60.1059, 32.9158, 19.4045

Complementary

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



16.8958, 32.9158, 6.4998



27.0853, 13.5313, 42.7777

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.



60.7486, 32.9158, 53.6255



16.8958, 32.9158, 6.4998



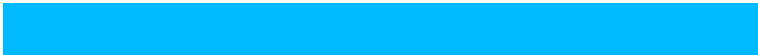
38.7557, 32.9158, 148.9800

Square

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



16.8958, 32.9158, 6.4998



17.6578, 32.9158, 112.4852



52.1447, 32.9158, 105.6764



50.5692, 32.9158, 5.5152

Rectangle

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



16.8958, 32.9158, 6.4998



13.0772, 32.9158, 44.7216



52.1447, 32.9158, 105.6764



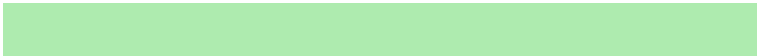
61.4433, 32.9158, 28.2193

Sweetspot

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



16.8966, 32.9172, 6.5005



54.6776, 71.2276, 51.3104



34.7102, 42.1043, 7.1618



11.2935, 15.1428, 10.2382



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.



16.8966, 32.9172, 6.5005



29.6187, 59.1978, 9.9951



19.2281, 33.8498, 18.7781



8.3954, 9.4927, 9.0758



11.4074, 22.7889, 3.8821



0.3611, 0.7179, 0.1336

Inverse Universe

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



27.0853, 13.5313, 42.7777



48.4231, 23.3118, 76.8690



21.4213, 11.2656, 12.9511



8.8428, 8.6438, 10.6707



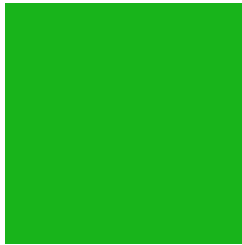
18.6461, 8.9760, 29.6259



0.5889, 0.2833, 0.9438

Previews

White Background



This preview shows how the XYZ color 16.8958, 32.9158, 6.4998 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 16.8958, 32.9158, 6.4998 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 16.8958, 32.9158, 6.4998

Background



This preview shows how black text looks on a background with the XYZ color 16.8958, 32.9158, 6.4998.



This preview shows how white text looks on a background with the XYZ color 16.8958, 32.9158,

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

16.8958, 32.9158, 6.4998

Protanopia

29.1287, 32.1569, 5.2877

Deuteranopia

32.7643, 32.0925, 7.0524



Tritanopia

25.3011, 32.5933, 48.6737

Trichromacy



Original Color

16.8958, 32.9158, 6.4998



Protanomaly

20.8498, 30.1743, 5.4844



Deuteranomaly

22.1088, 29.5057, 6.4494



Tritanomaly

20.1991, 31.8853, 24.4919

Monochromacy



Original Color

16.8958, 32.9158, 6.4998



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.4001, 20.9443, 11.6712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8958, 32.9158, 6.4998 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(24, 180, 27)` looks like.

```
.text, #text, p{  
    color:rgb(24, 180, 27)  
}
```

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(24, 180, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 180, 27) }
```

Border

The CSS property to change the border of an element to XYZ 16.8958, 32.9158, 6.4998 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(24, 180, 27) }
```


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

```
.border{ border-color:rgb(24, 180, 27) }
```

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

Here you see how a box with a 4 pixel rgb(24, 180, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 180, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 180, 27);  
box-shadow:4px 4px 4px 4px rgb(24, 180,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8958, 32.9158, 6.4998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 180, 27) }
```

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

```
.background{ background-color: rgb(24, 180,  
27) }
```

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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