

Converting Colors

XYZ(16.8833, 33.2166, 6.3174)

Have a look what the booklet for
XYZ(16.8833, 33.2166, 6.3174)
contains.

XYZ(16.8922, 33.2198, 6.3324)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.8922, 33.2198,
6.3324)**

Conversions

Conversions Part 1

Format	Color
Hex	10B517
RGB	16, 181, 23
RGB Percent	6%, 71%, 9%
CMY	0.9373, 0.2902, 0.9098
CMYK	0.91, 0.00, 0.87, 0.29
HSL	123°, 84%, 39%
HSV	123°, 91%, 71%
XYZ	16.8922, 33.2198, 6.3324
YIQ	113.6530, -47.6220, -84.1180

Conversions

Conversions Part 2

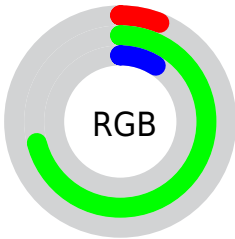
Format	Color
RYB	16, 174, 181
Decimal	1094935
CIELab	64.34, -65.17, 61.03
CIELCh	64, 89.283, 136.881
Yxy	33.2198, 0.2993, 0.5885
Android (android.graphics.Color)	4279285015 (0xFF10B517)
YUV	113.6530, -44.6919, -85.6417
Hunter-Lab	57.6366, -48.5491, 33.8316

Details

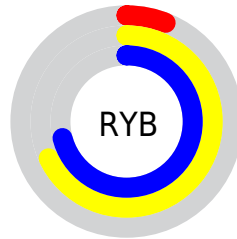
The XYZ color **16.8922, 33.2198, 6.3324** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **26.8812, 13.2503, 41.1803**, and the grayscale version is **16.0307, 16.8656, 18.3666**.

A 20% lighter version of the original color is **37.5811, 64.5716, 19.0772**, and **7.4609, 14.9217, 2.4870** is the 20% darker color. If you saturate the color by 10%, you get **16.5667, 33.0660, 5.7301**, and if you desaturate by 10%, it is **17.5763, 33.5464, 7.5868**.

Distribution



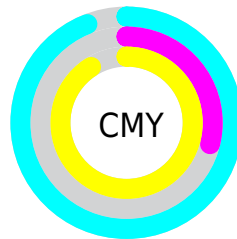
- Red (6%)
- Green (71%)
- Blue (9%)



- Red (6%)
- Yellow (68%)
- Blue (71%)



- Cyan (91%)
- Magenta (0%)
- Yellow (87%)
- Black (29%)





- Cyan (94%)
- Magenta (29%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8922, 33.2198, 6.3324 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 16.8922, 33.2198, 6.3324 by changing the saturation by 10% instead.


 16.8922, 33.2198,
6.3324


 16.8922, 33.2198,
6.3324


227.7188,
316.6390, 171.4099


 10.2525, 22.2949,
2.9762


 37.6854, 64.7185,
19.1065


 5.6302, 14.0737,
1.0825


 52.5696, 86.0611,
29.3614

 2.6601, 8.1720,
0.0000


 70.9327, 111.6451,
42.7530

 0.9767, 4.2052,
0.0000

 93.1400, 141.8548,
59.6998

 0.0000, 1.7890,
0.0000

 119.5569,
177.0747, 80.6204

 0.0000, 0.4803,
0.0000

 150.5488,

 0.0000, 0.0000,

217.6890, 105.9332

0.0000

186.4810,
264.0824, 136.0569

■ 16.8922, 33.2198,
6.3324

■ 16.8922, 33.2198,
6.3324

■ 16.5667, 33.0660,
5.7301

■ 17.5763, 33.5464,
7.5868

■ 18.7064, 34.0866,
9.5529

■ 20.3421, 34.8704,
12.3158

■ 22.5334, 35.9219,
15.9481

■ 25.3243, 37.2625,
20.5143

■ 28.7542, 38.9113,
26.0727

■ 32.8595, 40.8857,
32.6770

■ 37.6736, 43.2020,
40.3769

■ 43.2277, 45.8753,
49.2190

Harmonies

Analogous

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



25.0004, 33.2198, 2.0353



16.8922, 33.2198, 6.3324



13.2619, 33.2198, 22.5041

Triad

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



16.8922, 33.2198, 6.3324



26.3490, 33.2198, 155.9986



61.1847, 33.2198, 19.4248

Complementary

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



16.8922, 33.2198, 6.3324



26.8812, 13.2503, 41.1803

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.



61.8318, 33.2198, 54.4829



16.8922, 33.2198, 6.3324



39.2103, 33.2198, 152.8718

Square

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



16.8922, 33.2198, 6.3324



17.6502, 33.2198, 115.0131



52.9665, 33.2198, 108.1360



51.3825, 33.2198, 5.3699

Rectangle

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



16.8922, 33.2198, 6.3324



13.0047, 33.2198, 45.2137



52.9665, 33.2198, 108.1360



62.5571, 33.2198, 28.4219

Sweetspot

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



16.8930, 33.2212, 6.3331



54.0799, 70.9288, 50.8592



34.4104, 42.2588, 6.8333



11.1834, 15.0873, 10.1781



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.



16.8930, 33.2212, 6.3331



29.6486, 59.2097, 10.1523



19.2369, 34.1588, 18.6763



8.4031, 9.4957, 9.1165



11.4269, 22.7967, 3.9847



0.3644, 0.7192, 0.1507

Inverse Universe

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



26.8812, 13.2503, 41.1803



47.6691, 23.0102, 72.8981



21.2179, 10.9850, 11.3580



8.8341, 8.6404, 10.6249



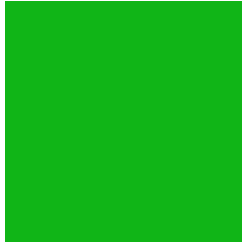
18.3640, 8.8631, 28.1402



0.5826, 0.2808, 0.9105

Previews

White Background



This preview shows how the XYZ color 16.8922, 33.2198, 6.3324 looks on a white background.

Color Contrast Check

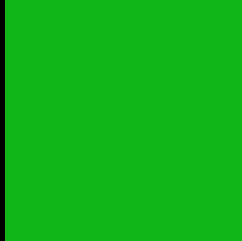
Large Text (above 18pt) WCAG AA × Fail

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 16.8922, 33.2198, 6.3324 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 16.8922, 33.2198, 6.3324

Background



This preview shows how black text looks on a background with the XYZ color 16.8922, 33.2198, 6.3324.



This preview shows how white text looks on a background with the XYZ color 16.8922, 33.2198,

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

16.8922, 33.2198, 6.3324

Protanopia

29.4798, 32.5884, 5.1519

Deuteranopia

33.1555, 32.5262, 7.0133



Tritanopia

25.5067, 32.9604, 49.2736

Trichromacy



Original Color

16.8922, 33.2198, 6.3324



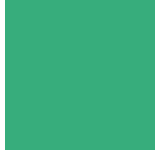
Protanomaly

20.7128, 30.3733, 5.3013



Deuteranomaly

21.7853, 29.5970, 6.3148



Tritanomaly

20.1572, 32.1546, 24.2128

Monochromacy



Original Color

16.8922, 33.2198, 6.3324



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

13.7156, 20.3907, 10.9975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8922, 33.2198, 6.3324 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(16, 181, 23)` looks like.

```
.text, #text, p{  
    color:rgb(16, 181, 23)  
}
```

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(16, 181, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 181, 23) }
```

Border

The CSS property to change the border of an element to XYZ 16.8922, 33.2198, 6.3324 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(16, 181, 23) }
```


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

```
.border{ border-color:rgb(16, 181, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 181, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 181, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 181, 23);  
box-shadow:4px 4px 4px 4px rgb(16, 181,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8922, 33.2198, 6.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 181, 23) }
```

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

```
.background{ background-color: rgb(16, 181,  
23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor