

Converting Colors

XYZ(16.7028, 33.1349, 6.3985)

Have a look what the booklet for
XYZ(16.7028, 33.1349, 6.3985)
contains.

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Color

**XYZ(16.6887, 33.1137,
6.3762)**

Conversions

Conversions Part 1

Format	Color
Hex	00B518
RGB	0, 181, 24
RGB Percent	0%, 71%, 9%
CMY	1.0000, 0.2902, 0.9058
CMYK	1.00, 0.00, 0.87, 0.29
HSL	128°, 100%, 35%
HSV	128°, 100%, 71%
XYZ	16.6887, 33.1137, 6.3762
YIQ	108.9830, -57.4790, -87.1990

Conversions

Conversions Part 2

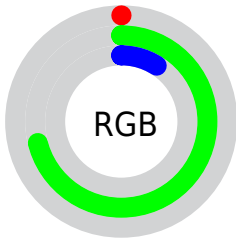
Format	Color
RYB	0, 160, 181
Decimal	46360
CIELab	64.25, -65.93, 60.70
CIELCh	64, 89.621, 137.367
Yxy	33.1137, 0.2971, 0.5894
Android (android.graphics.Color)	4278236440 (0xFF00B518)
YUV	108.9830, -41.8966, -95.5781
Hunter-Lab	57.5445, -48.9354, 33.7115

Details

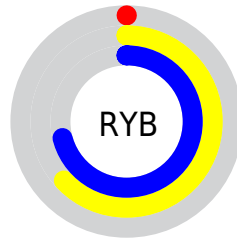
The XYZ color **16.6887, 33.1137, 6.3762** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.1420, 12.2582, 32.9361**, and the grayscale version is **14.6588, 15.4222, 16.7947**.

A 20% lighter version of the original color is **37.2913, 64.4176, 19.2725**, and **7.4609, 14.9217, 2.4870** is the 20% darker color. If you saturate the color by 10%, you get **16.6895, 33.1151, 6.3770**, and if you desaturate by 10%, it is **17.1540, 33.3299, 7.5109**.

Distribution



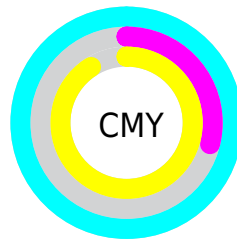
- Red (0%)
- Green (71%)
- Blue (9%)



- Red (0%)
- Yellow (63%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6887, 33.1137, 6.3762 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 16.6887, 33.1137, 6.3762 by changing the saturation by 10% instead.


 16.6887, 33.1137,
6.3762


 16.6887, 33.1137,
6.3762


226.5634,
316.1618, 171.8042


 10.1067, 22.2136,
3.0027


 37.3376, 64.5530,
19.1979


 5.5326, 14.0139,
1.0960


 52.1353, 85.8610,
29.4831

 2.6009, 8.1303,
0.0000


 70.4022, 111.4070,
42.9093

 0.9464, 4.1785,
0.0000

 92.5038, 141.5754,
59.8951

 0.0000, 1.7739,
0.0000

 118.8053,
176.7508, 80.8589

 0.0000, 0.4708,
0.0000

 149.6722,

 0.0000, 0.0000,

217.3173, 106.2193

0.0000

185.4698,
263.6595, 136.3949

■ 16.6887, 33.1137,
6.3762

■ 16.6887, 33.1137,
6.3762

■ 16.6895, 33.1151,
6.3770

■ 17.1540, 33.3299,
7.5109

■ 17.9586, 33.7076,
9.2257

■ 19.2029, 34.2981,
11.5876

■ 20.9395, 35.1273,
14.6523

■ 23.2135, 36.2174,
18.4698

■ 26.0647, 37.5881,
23.0853

■ 29.5292, 39.2569,
28.5407

■ 33.6401, 41.2402,
34.8747

■ 38.4282, 43.5531,
42.1238

Harmonies

Analogous

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



24.7219, 33.1137, 2.0069



16.6887, 33.1137, 6.3762



13.1292, 33.1137, 22.8004

Triad

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



16.6887, 33.1137, 6.3762



26.4207, 33.1137, 156.7291



61.0704, 33.1137, 18.9258

Complementary

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



16.6887, 33.1137, 6.3762



25.1420, 12.2582, 32.9361

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.



61.8874, 33.1137, 53.6513



16.6887, 33.1137, 6.3762



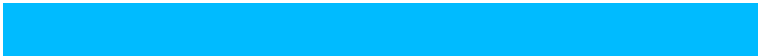
39.3546, 33.1137, 152.7742

Square

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



16.6887, 33.1137, 6.3762



17.6422, 33.1137, 116.0610



53.1193, 33.1137, 107.3680



51.1199, 33.1137, 5.1721

Rectangle

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



16.6887, 33.1137, 6.3762



12.9125, 33.1137, 45.8047



53.1193, 33.1137, 107.3680



62.5021, 33.1137, 27.7977

Sweetspot

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



16.6895, 33.1151, 6.3770



52.5460, 70.1425, 50.5872



30.9990, 40.5110, 6.1856



10.7766, 14.8806, 10.0248



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.



16.6895, 33.1151, 6.3770



29.8428, 59.2874, 11.1754



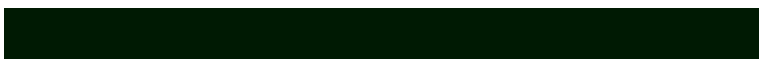
19.4280, 34.2105, 20.7975



8.4334, 9.5078, 9.2757



11.5202, 22.8340, 4.4759



0.3769, 0.7242, 0.2171

Inverse Universe

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



25.1420, 12.2582, 32.9361



44.9658, 21.9289, 58.6629



20.1430, 10.2586, 6.6115



8.8006, 8.6269, 10.4482



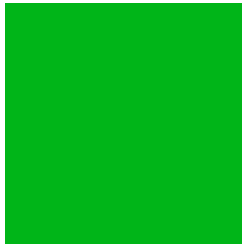
17.3501, 8.4576, 22.8013



0.5593, 0.2715, 0.7879

Previews

White Background



This preview shows how the XYZ color 16.6887, 33.1137, 6.3762 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 16.6887, 33.1137, 6.3762 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 16.6887, 33.1137, 6.3762

Background



This preview shows how black text looks on a background with the XYZ color 16.6887, 33.1137, 6.3762.



This preview shows how white text looks on a background with the XYZ color 16.6887, 33.1137,

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

16.6887, 33.1137, 6.3762

Protanopia

29.2631, 32.4758, 5.1781

Deuteranopia

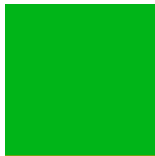
33.1555, 32.5262, 7.0133



Tritanopia

25.4266, 32.9192, 49.2699

Trichromacy



Original Color

16.6887, 33.1137, 6.3762



Protanomaly

19.9402, 29.9741, 5.3069



Deuteranomaly

20.9004, 29.1408, 6.2734



Tritanomaly

19.8642, 31.9962, 24.5310

Monochromacy



Original Color

16.6887, 33.1137, 6.3762



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.4934, 19.1432, 10.2443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6887, 33.1137, 6.3762 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, 181, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 24)  
}
```

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, 181, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 24) }
```

Border

The CSS property to change the border of an element to XYZ 16.6887, 33.1137, 6.3762 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, 181, 24) }
```


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

```
.border{ border-color:rgb(0, 181, 24) }
```

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

Here you see how a box with a 4 pixel rgb(0, 181, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 24)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.6887, 33.1137, 6.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 24) }
```

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

```
.background{ background-color: rgb(0, 181,  
24) }
```

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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