

Converting Colors

XYZ(16.2522, 31.3663, 5.1977)

Have a look what the booklet for
XYZ(16.2522, 31.3663, 5.1977)
contains.

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Color

**XYZ(16.2883, 31.4440,
5.2108)**

Conversions

Conversions Part 1

Format	Color
Hex	25B000
RGB	37, 176, 0
RGB Percent	15%, 69%, 0%
CMY	0.8549, 0.3098, 0.9999
CMYK	0.79, 0.00, 1.00, 0.31
HSL	107°, 100%, 35%
HSV	107°, 100%, 69%
XYZ	16.2883, 31.4440, 5.2108
YIQ	114.3750, -26.3480, -84.2040

Conversions

Conversions Part 2

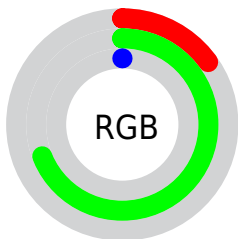
Format	Color
RYB	0, 176, 139
Decimal	2469888
CIELab	62.88, -62.28, 63.39
CIELCh	63, 88.863, 134.493
Yxy	31.4440, 0.3077, 0.5939
Android (android.graphics.Color)	4280659968 (0xFF25B000)
YUV	114.3750, -56.3869, -67.8579
Hunter-Lab	56.0749, -46.2816, 33.7429

Details

The XYZ color **16.2883, 31.4440, 5.2108** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **18.4877, 8.6257, 41.7665**, and the grayscale version is **16.2785, 17.1262, 18.6504**.

A 20% lighter version of the original color is **36.7156, 62.0370, 16.6958**, and **6.9595, 13.9191, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **16.2885, 31.4450, 5.2110**, and if you desaturate by 10%, it is **16.9924, 31.7956, 5.7976**.

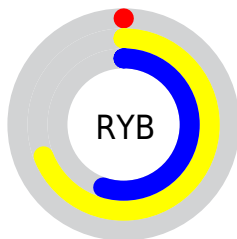
Distribution



Red (15%)

Green (69%)

Blue (0%)



Red (0%)

Yellow (69%)

Blue (55%)

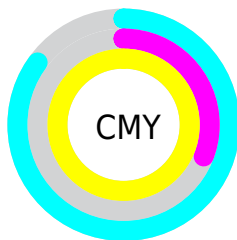


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (85%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2883, 31.4440, 5.2108 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 16.2883, 31.4440, 5.2108 by changing the saturation by 10% instead.


 16.2883, 31.4440,
5.2108


 16.2883, 31.4440,
5.2108


224.2741,
308.5786, 160.8589


 9.8205, 20.9372,
2.3106


 36.6514, 61.9384,
16.7179


 5.3415, 13.0781,
0.7371


 51.2775, 82.6948,
26.1618


 2.4858, 7.4823,
0.0000


 69.3536, 107.6365,
38.6240

 0.8881, 3.7655,
0.0000

 91.2453, 137.1480,
54.5231

 0.0000, 1.5433,
0.0000

 117.3178,
171.6135, 74.2776

 0.0000, 0.3189,
0.0000


 147.9366,


 0.0000, 0.0000,


211.4175, 98.3060


0.0000


 183.4669,
256.9444, 127.0269


 16.2883, 31.4440,
5.2108


 16.2883, 31.4440,
5.2108


 16.2885, 31.4450,
5.2110

 16.9924, 31.7956,
5.7976

 17.9996, 32.2917,
6.8913

 19.3644, 32.9570,
8.6869

 21.1192, 33.8061,
11.2759

 23.2926, 34.8522,
14.7359

■ 25.9104, 36.1071,
19.1356

■ 28.9961, 37.5815,
24.5364

■ 32.5716, 39.2855,
30.9949

■ 36.6573, 41.2284,
38.5632

Harmonies

Analogous

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



24.3972, 31.4440, 1.6979



16.2883, 31.4440, 5.2108



12.5156, 31.4440, 19.2467

Triad

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



16.2883, 31.4440, 5.2108



24.0492, 31.4440, 148.1670



58.7994, 31.4440, 20.0382

Complementary

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



16.2883, 31.4440, 5.2108



18.4877, 8.6257, 41.7665

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.



58.6311, 31.4440, 55.4962



16.2883, 31.4440, 5.2108



36.1432, 31.4440, 148.9842

Square

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



16.2883, 31.4440, 5.2108



16.0936, 31.4440, 106.0955



49.5011, 31.4440, 107.8894



49.9124, 31.4440, 5.4537

Rectangle

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



16.2883, 31.4440, 5.2108



12.0835, 31.4440, 39.7686



49.5011, 31.4440, 107.8894



59.8635, 31.4440, 29.2440

Sweetspot

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



16.2890, 31.4453, 5.2115



52.2660, 68.0043, 43.9281



26.9756, 27.3710, 3.8618



10.8097, 14.4907, 8.6073



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.2890, 31.4453, 5.2115



29.3876, 56.9497, 9.4435



16.0993, 31.2813, 8.1934



8.5504, 9.5733, 9.0497



11.9917, 23.0920, 3.8252



0.4255, 0.7514, 0.1226

Inverse Universe

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



18.4877, 8.6257, 41.7665



33.3323, 15.5416, 75.7383



21.6804, 10.7408, 20.7167



8.6717, 8.5548, 10.7005



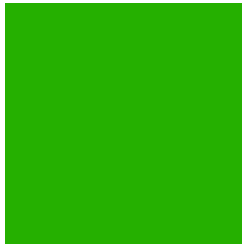
13.6135, 6.3538, 30.6459



0.4723, 0.2226, 0.9663

Previews

White Background



This preview shows how the XYZ color 16.2883, 31.4440, 5.2108 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 16.2883, 31.4440, 5.2108 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 16.2883, 31.4440, 5.2108

Background



This preview shows how black text looks on a background with the XYZ color 16.2883, 31.4440, 5.2108.



This preview shows how white text looks on a background with the XYZ color 16.2883, 31.4440,

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

16.2883, 31.4440, 5.2108

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.4075, 30.7320, 6.1102



Tritanopia

24.6046, 31.4746, 46.3734

Trichromacy



Original Color

16.2883, 31.4440, 5.2108



Protanomaly

20.5968, 29.2792, 4.5659



Deuteranomaly

21.7177, 28.5770, 5.2354



Tritanomaly

19.1632, 30.3213, 20.4654

Monochromacy



Original Color

16.2883, 31.4440, 5.2108



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

13.9860, 20.3508, 9.4943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2883, 31.4440, 5.2108 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(37, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(37, 176, 0)  
}
```

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(37, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.2883, 31.4440, 5.2108 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(37, 176, 0) }
```


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

```
.border{ border-color:rgb(37, 176, 0) }
```

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

Here you see how a box with a 4 pixel rgb(37, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(37, 176, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2883, 31.4440, 5.2108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 176, 0) }
```

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

```
.background{ background-color: rgb(37, 176,  
0) }
```

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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