

Converting Colors

XYZ(16.9563, 33.2370, 7.7347)

Have a look what the booklet for
XYZ(16.9563, 33.2370, 7.7347)
contains.

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Color

**XYZ(16.9418, 33.2149,
7.7087)**

Conversions

Conversions Part 1

Format	Color
Hex	00B52A
RGB	0, 181, 42
RGB Percent	0%, 71%, 16%
CMY	1.0000, 0.2902, 0.8353
CMYK	1.00, 0.00, 0.77, 0.29
HSL	134°, 100%, 35%
HSV	134°, 100%, 71%
XYZ	16.9418, 33.2149, 7.7087
YIQ	111.0350, -63.2570, -81.6010

Conversions

Conversions Part 2

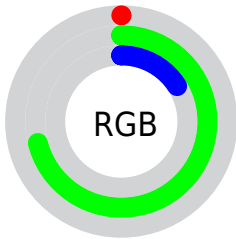
Format	Color
RYB	0, 147, 181
Decimal	46378
CIELab	64.33, -64.88, 55.77
CIELCh	64, 85.554, 139.317
Yxy	33.2149, 0.2928, 0.5740
Android (android.graphics.Color)	4278236458 (0xFF00B52A)
YUV	111.0350, -34.0343, -97.3777
Hunter-Lab	57.6324, -48.3842, 32.4122

Details

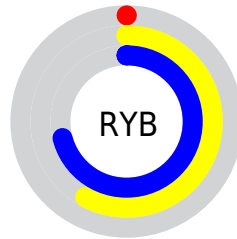
The XYZ color **16.9418, 33.2149, 7.7087** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **23.7171, 11.6883, 25.4323**, and the grayscale version is **15.2294, 16.0225, 17.4485**.

A 20% lighter version of the original color is **37.6620, 64.5535, 21.7843**, and **7.4609, 14.9217, 2.4870** is the 20% darker color. If you saturate the color by 10%, you get **16.9425, 33.2162, 7.7092**, and if you desaturate by 10%, it is **17.4874, 33.4632, 9.2667**.

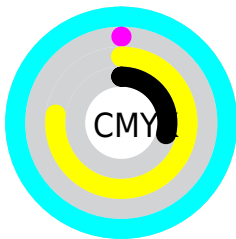
Distribution



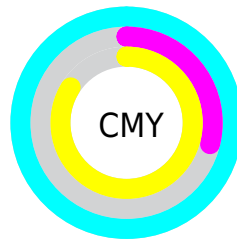
- Red (0%)
- Green (71%)
- Blue (16%)



- Red (0%)
- Yellow (58%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9418, 33.2149, 7.7087 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 16.9418, 33.2149, 7.7087 by changing the saturation by 10% instead.


 16.9418, 33.2149,
7.7087


 16.9418, 33.2149,
7.7087


227.9996,
316.6170, 183.2775


 10.2881, 22.2911,
3.8240


 37.7701, 64.7109,
21.9220


 5.6541, 14.0710,
1.5293


 52.6753, 86.0519,
33.0878


 2.6746, 8.1700,
0.2396


 71.0618, 111.6341,
47.5176

 0.9841, 4.2039,
0.0000

 93.2948, 141.8419,
65.6301

 0.0000, 1.7883,
0.0000

 119.7397,
177.0597, 87.8438

 0.0000, 0.4799,
0.0000

 150.7619,

 0.0000, 0.0000,

217.6719, 114.5773

0.0000

186.7267,
264.0628, 146.2490

■ 16.9418, 33.2149,
7.7087

■ 16.9418, 33.2149,
7.7087

■ 16.9425, 33.2162,
7.7092

■ 17.4874, 33.4632,
9.2667

■ 18.3586, 33.8675,
11.3318

■ 19.6509, 34.4772,
13.9463

■ 21.4133, 35.3168,
17.1461

■ 23.6874, 36.4070,
20.9641

■ 26.5104, 37.7663,
25.4306

■ 29.9157, 39.4115,
30.5738

■ 33.9341, 41.3579,
36.4205

■ 38.5944, 43.6196,
42.9957

Harmonies

Analogous

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



24.4444, 33.2149, 2.6241



16.9418, 33.2149, 7.7087



13.7062, 33.2149, 25.1107

Triad

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



16.9418, 33.2149, 7.7087



27.4277, 33.2149, 150.0804



59.2016, 33.2149, 18.2176

Complementary

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



16.9418, 33.2149, 7.7087



23.7171, 11.6883, 25.4323

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.



60.5992, 33.2149, 50.0648



16.9418, 33.2149, 7.7087



39.9605, 33.2149, 143.4370

Square

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



16.9418, 33.2149, 7.7087



18.6408, 33.2149, 114.5078



52.8473, 33.2149, 99.8022



49.4123, 33.2149, 5.4328

Rectangle

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



16.9418, 33.2149, 7.7087



13.6508, 33.2149, 48.1368



52.8473, 33.2149, 99.8022



60.7488, 33.2149, 26.3641

Sweetspot

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



16.9426, 33.2163, 7.7095



53.2438, 70.4217, 54.2621



27.6433, 38.7810, 6.0286



10.9382, 14.9452, 10.8758



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.



16.9426, 33.2163, 7.7095



30.2702, 59.4584, 13.4258



20.5350, 34.6533, 26.6271



8.4671, 9.5213, 9.4534



11.7022, 22.9068, 5.4344



0.3908, 0.7298, 0.2902

Inverse Universe

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



23.7171, 11.6883, 25.4323



42.3834, 20.8959, 45.0644



19.6607, 10.0658, 4.0718



8.7640, 8.6123, 10.2556



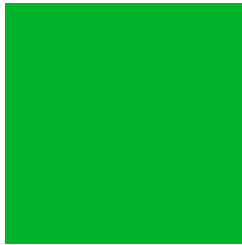
16.3769, 8.0683, 17.6768



0.5359, 0.2621, 0.6648

Previews

White Background



This preview shows how the XYZ color 16.9418, 33.2149, 7.7087 looks on a white background.

Color Contrast Check

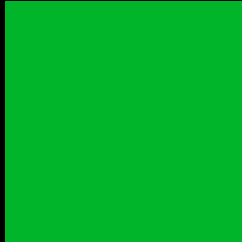
Large Text (above 18pt) WCAG AA × Fail

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 16.9418, 33.2149, 7.7087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

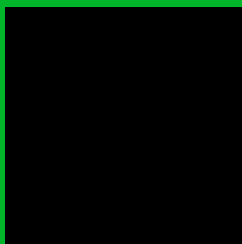
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9418, 33.2149, 7.7087

Background



This preview shows how black text looks on a background with the XYZ color 16.9418, 33.2149, 7.7087.



This preview shows how white text looks on a background with the XYZ color 16.9418, 33.2149,

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

16.9418, 33.2149, 7.7087

Protanopia

29.4803, 32.5627, 6.3216

Deuteranopia

33.1398, 32.4904, 8.2660



Tritanopia

25.5331, 33.2492, 49.3280

Trichromacy



Original Color

16.9418, 33.2149, 7.7087



Protanomaly

20.1809, 30.0704, 6.5742



Deuteranomaly

21.1641, 29.2462, 7.6616



Tritanomaly

20.2592, 32.1542, 26.6113

Monochromacy



Original Color

16.9418, 33.2149, 7.7087



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.0824, 19.6198, 11.9016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9418, 33.2149, 7.7087 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 42) }
```

Border

The CSS property to change the border of an element to XYZ 16.9418, 33.2149, 7.7087 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, 42) }
```


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

```
.border{ border-color:rgb(0, 181, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9418, 33.2149, 7.7087 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, 42) }
```

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

```
.background{ background-color: rgb(0, 181,  
42) }
```

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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