

Converting Colors

XYZ(13.7243, 33.6681, 8.4385)

Have a look what the booklet for
XYZ(13.7243, 33.6681, 8.4385)
contains.

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Color

**XYZ(18.4963, 36.1717,
8.6963)**

Conversions

Conversions Part 1

Format	Color
Hex	00BC2F
RGB	0, 188, 47
RGB Percent	0%, 74%, 18%
CMY	1.0000, 0.2627, 0.8157
CMYK	1.00, 0.00, 0.75, 0.26
HSL	135°, 100%, 37%
HSV	135°, 100%, 74%
XYZ	18.4963, 36.1717, 8.6963
YIQ	115.7140, -66.7870, -83.7070

Conversions

Conversions Part 2

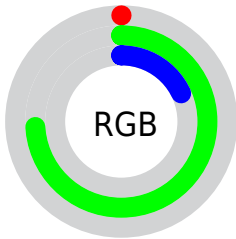
Format	Color
RYB	0, 150, 188
Decimal	48175
CIELab	66.65, -66.51, 56.37
CIELCh	67, 87.183, 139.715
Yxy	36.1717, 0.2919, 0.5709
Android (android.graphics.Color)	4278238255 (0xFF00BC2F)
YUV	115.7140, -33.8760, -101.4812
Hunter-Lab	60.1429, -50.3544, 33.5271

Details

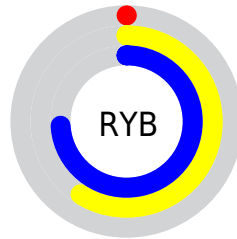
The XYZ color **18.4963, 36.1717, 8.6963** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.5475, 12.6148, 26.2870**, and the grayscale version is **16.6286, 17.4946, 19.0516**.

A 20% lighter version of the original color is **40.4996, 69.5235, 23.8552**, and **8.3875, 16.7751, 2.7958** is the 20% darker color. If you saturate the color by 10%, you get **18.4972, 36.1732, 8.6971**, and if you desaturate by 10%, it is **19.0938, 36.4424, 10.4575**.

Distribution



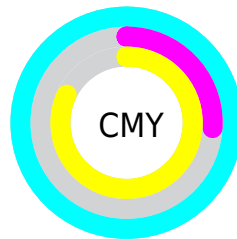
- Red (0%)
- Green (74%)
- Blue (18%)



- Red (0%)
- Yellow (59%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4963, 36.1717, 8.6963 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 18.4963, 36.1717, 8.6963 by changing the saturation by 10% instead.


 18.4963, 36.1717,
8.6963


 18.4963, 36.1717,
8.6963


236.6456,
329.7104, 191.2298


 11.4087, 24.5668,
4.4495


 40.4047, 69.2970,
23.8809


 6.4118, 15.7546,
1.8751


 55.9562, 91.5862,
35.6558

 3.1401, 9.3507,
0.4768


 75.0598, 118.2057,
50.7772

 1.2283, 4.9706,
0.0000

 98.0808, 149.5398,
69.6635

 0.1285, 2.2300,
0.0000

 125.3845,
185.9729, 92.7334

 0.0000, 0.7363,
0.0000

 157.3363,

 0.0000, 0.0000,

227.8894, 120.4054

0.0000

194.3015,
275.6738, 153.0980

■ 18.4963, 36.1717,
8.6963

■ 18.4963, 36.1717,
8.6963

■ 18.4972, 36.1732,
8.6971

■ 19.0938, 36.4424,
10.4575

■ 20.0457, 36.8832,
12.7561

■ 21.4534, 37.5467,
15.6350

■ 23.3699, 38.4593,
19.1304

■ 25.8409, 39.6439,
23.2756

■ 28.9064, 41.1206,
28.1016

■ 32.6029, 42.9076,
33.6372

■ 36.9639, 45.0214,
39.9096

■ 42.0203, 47.4776,
46.9446

Harmonies

Analogous

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



26.5488, 36.1717, 3.0033



18.4963, 36.1717, 8.6963



15.0450, 36.1717, 27.8371

Triad

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



18.4963, 36.1717, 8.6963



30.0677, 36.1717, 161.9187



64.0356, 36.1717, 19.6856

Complementary

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



18.4963, 36.1717, 8.6963



25.5475, 12.6148, 26.2870

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.



65.6754, 36.1717, 53.7521



18.4963, 36.1717, 8.6963



43.6173, 36.1717, 154.1522

Square

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



18.4963, 36.1717, 8.6963



20.5060, 36.1717, 124.2689



57.4530, 36.1717, 107.0528



53.4191, 36.1717, 5.9733

Rectangle

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



18.4963, 36.1717, 8.6963



15.0199, 36.1717, 52.8864



57.4530, 36.1717, 107.0528



65.7425, 36.1717, 28.4022

Sweetspot

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



18.4972, 36.1732, 8.6971



58.7289, 77.5878, 60.4365



28.9689, 41.6309, 6.5087



11.9963, 16.3786, 12.0582



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.4972, 36.1732, 8.6971



33.4398, 65.5230, 15.3288



22.7919, 37.8911, 31.3128



9.5040, 10.6877, 10.6376



12.6190, 24.6379, 6.0562



0.5215, 0.9760, 0.3806

Inverse Universe

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



25.5475, 12.6148, 26.2870



46.1957, 22.8202, 47.0946



21.2530, 10.8970, 3.6726



9.8253, 9.6544, 11.4688



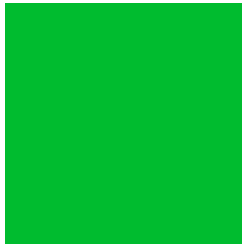
17.4243, 8.6009, 18.0598



0.7072, 0.3468, 0.8376

Previews

White Background



This preview shows how the XYZ color 18.4963, 36.1717, 8.6963 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 18.4963, 36.1717, 8.6963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

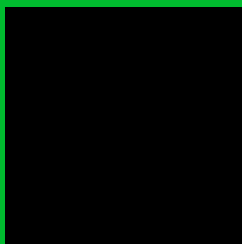
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.4963, 36.1717, 8.6963

Background



This preview shows how black text looks on a background with the XYZ color 18.4963, 36.1717, 8.6963.



This preview shows how white text looks on a background with the XYZ color 18.4963, 36.1717,

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

18.4963, 36.1717, 8.6963

Protanopia

32.1839, 35.4667, 7.1570

Deuteranopia

36.0530, 35.3987, 9.3473



Tritanopia

27.6848, 35.9554, 54.1961

Trichromacy



Original Color

18.4963, 36.1717, 8.6963



Protanomaly

22.0692, 32.9451, 7.4814



Deuteranomaly

23.1024, 32.0700, 8.7139



Tritanomaly

22.1753, 35.1305, 29.6569

Monochromacy



Original Color

18.4963, 36.1717, 8.6963



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.3854, 21.5572, 13.3003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4963, 36.1717, 8.6963 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, 188, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 47)  
}
```

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, 188, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 47) }
```

Border

The CSS property to change the border of an element to XYZ 18.4963, 36.1717, 8.6963 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, 188, 47) }
```


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

```
.border{ border-color:rgb(0, 188, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 47);  
box-shadow:4px 4px 4px 4px rgb(0, 188, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4963, 36.1717, 8.6963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 47) }
```

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

```
.background{ background-color: rgb(0, 188,  
47) }
```

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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