

Converting Colors

XYZ(18.3243, 36.3427, 7.0510)

Have a look what the booklet for
XYZ(18.3243, 36.3427, 7.0510)
contains.

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Color

**XYZ(18.3840, 36.4698,
7.0477)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD1A
RGB	0, 189, 26
RGB Percent	0%, 74%, 10%
CMY	1.0000, 0.2588, 0.8980
CMYK	1.00, 0.00, 0.86, 0.26
HSL	128°, 100%, 37%
HSV	128°, 100%, 74%
XYZ	18.3840, 36.4698, 7.0477
YIQ	113.9070, -60.3210, -90.7610

Conversions

Conversions Part 2

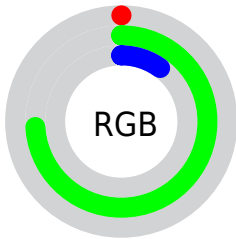
Format	Color
RYB	0, 166, 189
Decimal	48410
CIELab	66.88, -68.07, 62.59
CIELCh	67, 92.472, 137.402
Yxy	36.4698, 0.2970, 0.5892
Android (android.graphics.Color)	4278238490 (0xFF00BD1A)
YUV	113.9070, -43.3382, -99.8964
Hunter-Lab	60.3902, -51.3439, 35.3539

Details

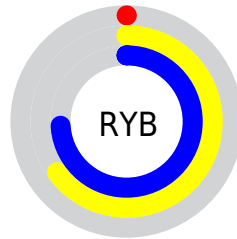
The XYZ color **18.3840, 36.4698, 7.0477** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **27.5975, 13.4634, 35.7917**, and the grayscale version is **16.1061, 16.9449, 18.4530**.

A 20% lighter version of the original color is **40.2777, 69.9354, 20.6086**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **18.3849, 36.4713, 7.0485**, and if you desaturate by 10%, it is **18.8884, 36.7036, 8.3086**.

Distribution



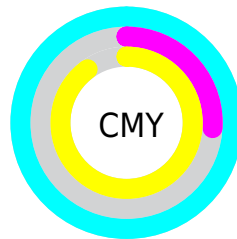
- Red (0%)
- Green (74%)
- Blue (10%)



- Red (0%)
- Yellow (65%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (86%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3840, 36.4698, 7.0477 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 18.3840, 36.4698, 7.0477 by changing the saturation by 10% instead.


 18.3840, 36.4698,
7.0477

 18.3840, 36.4698,
7.0477


236.0306,
331.0093, 177.7054


 11.3274, 24.7972,
3.4130


 40.2155, 69.7566,
20.5836


 6.3564, 15.9261,
1.3092


 55.7212, 92.1396,
31.3219

 3.1057, 9.4718,
0.0693


 74.7739, 118.8616,
45.2653

 1.2099, 5.0502,
0.0000

 97.7390, 150.3068,
62.8321

 0.1142, 2.2768,
0.0000

 124.9819,
186.8599, 84.4410

 0.0000, 0.7614,
0.0000

 156.8678,

 0.0000, 0.0000,

228.9050, 110.5105

0.0000

193.7623,
276.8267, 141.4591

■ 18.3840, 36.4698,
7.0477

■ 18.3840, 36.4698,
7.0477

■ 18.3849, 36.4713,
7.0485

■ 18.8884, 36.7036,
8.3086

■ 19.7697, 37.1167,
10.2069

■ 21.1356, 37.7646,
12.8154

■ 23.0446, 38.6759,
16.1950

■ 25.5467, 39.8753,
20.4003

■ 28.6861, 41.3845,
25.4806

■ 32.5029, 43.2232,
31.4815

■ 37.0336, 45.4095,
38.4455

■ 42.3125, 47.9600,
46.4123

Harmonies

Analogous

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



27.2200, 36.4698, 2.2217



18.3840, 36.4698, 7.0477



14.4705, 36.4698, 25.1562

Triad

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



18.3840, 36.4698, 7.0477



29.1174, 36.4698, 172.4679



67.2176, 36.4698, 20.8275

Complementary

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



18.3840, 36.4698, 7.0477



27.5975, 13.4634, 35.7917

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.



68.1298, 36.4698, 59.0096



18.3840, 36.4698, 7.0477



43.3535, 36.4698, 168.0542

Square

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



18.3840, 36.4698, 7.0477



19.4492, 36.4698, 127.7868



58.4946, 36.4698, 118.0842



56.2623, 36.4698, 5.7010

Rectangle

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



18.3840, 36.4698, 7.0477



14.2351, 36.4698, 50.4922



58.4946, 36.4698, 118.0842



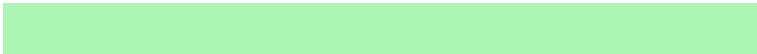
68.7969, 36.4698, 30.5826

Sweetspot

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



18.3849, 36.4713, 7.0485



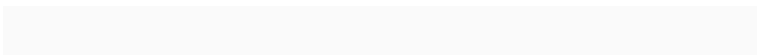
57.8535, 77.2376, 55.8265



33.4676, 44.2683, 6.7807



11.7942, 16.2978, 10.9940



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.



18.3849, 36.4713, 7.0485



32.8762, 65.2976, 12.3608



21.5705, 37.7456, 23.8234



9.4608, 10.6704, 10.4102



12.3864, 24.5448, 4.8316



0.5027, 0.9684, 0.2814

Inverse Universe

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



27.5975, 13.4634, 35.7917



49.3584, 24.0853, 63.7492



22.0707, 11.2527, 6.6881



9.8720, 9.6731, 11.7147



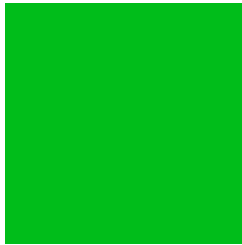
18.5886, 9.0666, 24.1910



0.7439, 0.3615, 1.0308

Previews

White Background



This preview shows how the XYZ color 18.3840, 36.4698, 7.0477 looks on a white background.

Color Contrast Check

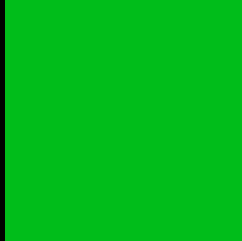
Large Text (above 18pt) WCAG AA × Fail

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 18.3840, 36.4698, 7.0477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

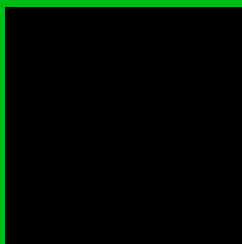
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.3840, 36.4698, 7.0477

Background



This preview shows how black text looks on a background with the XYZ color 18.3840, 36.4698, 7.0477.



This preview shows how white text looks on a background with the XYZ color 18.3840, 36.4698,

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

18.3840, 36.4698, 7.0477

Protanopia

32.3129, 35.8262, 5.7424

Deuteranopia

36.5533, 35.6924, 7.7591



Tritanopia

28.0440, 36.4306, 54.2689

Trichromacy



Original Color

18.3840, 36.4698, 7.0477



Protanomaly

22.0812, 33.2686, 5.9195



Deuteranomaly

23.0725, 32.0928, 6.9860



Tritanomaly

21.8685, 35.3376, 26.7873

Monochromacy



Original Color

18.3840, 36.4698, 7.0477



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

13.7955, 21.0754, 11.3235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3840, 36.4698, 7.0477 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, 189, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 26)  
}
```

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, 189, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 26) }
```

Border

The CSS property to change the border of an element to XYZ 18.3840, 36.4698, 7.0477 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, 189, 26) }
```


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

```
.border{ border-color:rgb(0, 189, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 26)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3840, 36.4698, 7.0477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 26) }
```

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

```
.background{ background-color: rgb(0, 189,  
26) }
```

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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