

Converting Colors

XYZ(18.1772, 36.2877, 6.1662)

Have a look what the booklet for
XYZ(18.1772, 36.2877, 6.1662)
contains.

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Color

**XYZ(18.2445, 36.4169,
6.1824)**

Conversions

Conversions Part 1

Format	Color
Hex	02BD04
RGB	2, 189, 4
RGB Percent	1%, 74%, 2%
CMY	0.9922, 0.2588, 0.9842
CMYK	0.99, 0.00, 0.98, 0.26
HSL	121°, 98%, 37%
HSV	121°, 99%, 74%
XYZ	18.2445, 36.4169, 6.1824
YIQ	111.9970, -52.0670, -97.1790

Conversions

Conversions Part 2

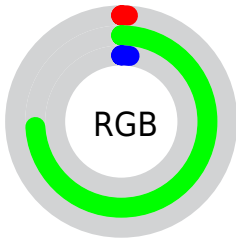
Format	Color
RYB	2, 187, 189
Decimal	179460
CIELab	66.84, -68.63, 65.95
CIELCh	67, 95.183, 136.140
Yxy	36.4169, 0.2999, 0.5985
Android (android.graphics.Color)	4278369540 (0xFF02BD04)
YUV	111.9970, -53.2425, -96.4674
Hunter-Lab	60.3464, -51.6404, 36.1683

Details

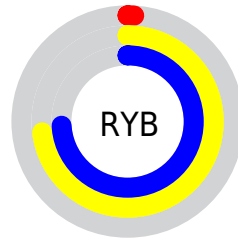
The XYZ color **18.2445, 36.4169, 6.1824** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **29.9762, 14.4495, 48.2112**, and the grayscale version is **15.5634, 16.3739, 17.8312**.

A 20% lighter version of the original color is **40.0389, 69.8527, 18.7698**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **18.2096, 36.4012, 6.1251**, and if you desaturate by 10%, it is **18.6572, 36.6157, 6.8799**.

Distribution



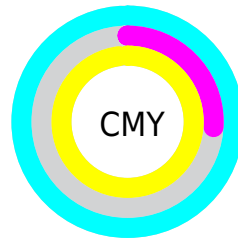
- Red (1%)
- Green (74%)
- Blue (2%)



- Red (1%)
- Yellow (73%)
- Blue (74%)



- Cyan (99%)
- Magenta (0%)
- Yellow (98%)
- Black (26%)





- Cyan (99%)
- Magenta (26%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2445, 36.4169, 6.1824 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 18.2445, 36.4169, 6.1824 by changing the saturation by 10% instead.


 18.2445, 36.4169,
6.1824


 18.2445, 36.4169,
6.1824


235.2646,
330.7791, 170.0504


 11.2264, 24.7563,
2.8857


 39.9803, 69.6751,
18.7925


 6.2878, 15.8956,
1.0366


 55.4288, 92.0415,
28.9430

 3.0631, 9.4503,
0.0000


 74.4181, 118.7452,
42.2152

 1.1872, 5.0361,
0.0000

 97.3136, 150.1708,
59.0276

 0.0963, 2.2684,
0.0000

 124.4806,
186.7026, 79.7988

 0.0000, 0.7569,
0.0000

 156.2846,

 0.0000, 0.0000,

228.7250, 104.9473

0.0000

193.0908,
276.6224, 134.8916

■ 18.2445, 36.4169,
6.1824

■ 18.2445, 36.4169,
6.1824

■ 18.2096, 36.4012,
6.1251

■ 18.6572, 36.6157,
6.8799

■ 19.4729, 37.0067,
8.2522

■ 20.8024, 37.6446,
10.4594

■ 22.7113, 38.5610,
13.6053

■ 25.2555, 39.7829,
17.7790

■ 28.4844, 41.3339,
23.0589

■ 32.4426, 43.2356,
29.5160

■ 37.1706, 45.5075,
37.2154

■ 42.7063, 48.1677,
46.2174

Harmonies

Analogous

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



27.4742, 36.4169, 1.8473



18.2445, 36.4169, 6.1824



14.0935, 36.4169, 23.5319

Triad

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



18.2445, 36.4169, 6.1824



28.3967, 36.4169, 177.1641



68.5934, 36.4169, 21.4442

Complementary

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



18.2445, 36.4169, 6.1824



29.9762, 14.4495, 48.2112

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.



69.0444, 36.4169, 61.8350



18.2445, 36.4169, 6.1824



42.8927, 36.4169, 174.9577

Square

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



18.2445, 36.4169, 6.1824



18.7576, 36.4169, 128.6817



58.6547, 36.4169, 123.8522



57.5542, 36.4169, 5.5583

Rectangle

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



18.2445, 36.4169, 6.1824



13.7410, 36.4169, 48.7506



58.6547, 36.4169, 123.8522



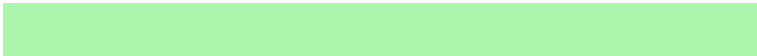
70.0749, 36.4169, 31.7620

Sweetspot

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



18.2453, 36.4184, 6.1832



56.9263, 76.8668, 50.9442



39.1965, 47.2204, 7.1058



11.5827, 16.2132, 9.8805



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.



18.2453, 36.4184, 6.1832



32.6065, 65.1897, 10.9404



20.3116, 37.2449, 17.0642



9.4129, 10.6513, 10.1577



12.2533, 24.4916, 4.1307



0.4814, 0.9599, 0.1694

Inverse Universe

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



29.9762, 14.4495, 48.2112



53.6360, 25.7964, 86.2749



23.0971, 11.6979, 11.9863



9.9254, 9.6945, 11.9962



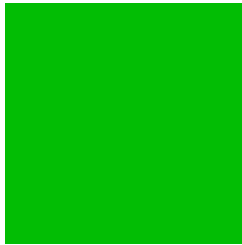
20.1539, 9.6927, 32.4339



0.7909, 0.3803, 1.2781

Previews

White Background



This preview shows how the XYZ color 18.2445, 36.4169, 6.1824 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 18.2445, 36.4169, 6.1824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

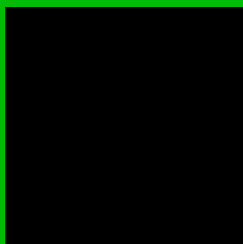
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.2445, 36.4169, 6.1824

Background



This preview shows how black text looks on a background with the XYZ color 18.2445, 36.4169, 6.1824.



This preview shows how white text looks on a background with the XYZ color 18.2445, 36.4169,

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

18.2445, 36.4169, 6.1824

Protanopia

32.2117, 35.7857, 5.2096

Deuteranopia

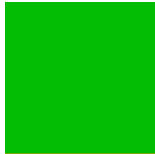
36.4201, 35.6391, 7.0573



Tritanopia

28.0440, 36.4306, 54.2689

Trichromacy



Original Color

18.2445, 36.4169, 6.1824



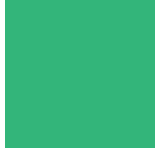
Protanomaly

22.0941, 33.2891, 5.2897



Deuteranomaly

23.0517, 32.1021, 6.0800



Tritanomaly

21.4020, 35.1567, 24.0703

Monochromacy



Original Color

18.2445, 36.4169, 6.1824



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.2532, 20.6149, 9.5839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2445, 36.4169, 6.1824 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(2, 189, 4)` looks like.

```
.text, #text, p{  
    color:rgb(2, 189, 4)  
}
```

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(2, 189, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 18.2445, 36.4169, 6.1824 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(2, 189, 4) }
```


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

```
.border{ border-color:rgb(2, 189, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 189, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 189, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 189, 4); box-shadow:4px  
4px 4px 4px rgb(2, 189, 4) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2445, 36.4169, 6.1824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 189, 4) }
```

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

```
.background{ background-color: rgb(2, 189,  
4) }
```

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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