

Converting Colors

XYZ(18.4846, 36.5443, 6.0795)

Have a look what the booklet for
XYZ(18.4846, 36.5443, 6.0795)
contains.

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Color

**XYZ(18.4861, 36.5439,
6.0794)**

Conversions

Conversions Part 1

Format	Color
Hex	14BD00
RGB	20, 189, 0
RGB Percent	8%, 74%, 0%
CMY	0.9216, 0.2588, 0.9999
CMYK	0.89, 0.00, 1.00, 0.26
HSL	114°, 100%, 37%
HSV	114°, 100%, 74%
XYZ	18.4861, 36.5439, 6.0794
YIQ	116.9230, -40.0550, -94.6070

Conversions

Conversions Part 2

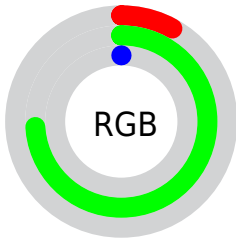
Format	Color
RYB	0, 189, 169
Decimal	1359104
CIELab	66.93, -67.78, 66.55
CIELCh	67, 94.986, 135.525
Yxy	36.5439, 0.3025, 0.5980
Android (android.graphics.Color)	4279549184 (0xFF14BD00)
YUV	116.9230, -57.6430, -85.0015
Hunter-Lab	60.4516, -51.2049, 36.3535

Details

The XYZ color **18.4861, 36.5439, 6.0794** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **25.5532, 12.1124, 49.1372**, and the grayscale version is **17.0681, 17.9570, 19.5551**.

A 20% lighter version of the original color is **40.4616, 70.0748, 18.6010**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **18.4864, 36.5452, 6.0796**, and if you desaturate by 10%, it is **19.0747, 36.8349, 6.7171**.

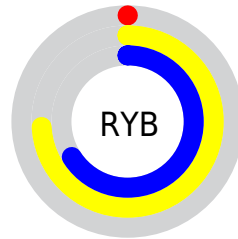
Distribution



Red (8%)

Green (74%)

Blue (0%)



Red (0%)

Yellow (74%)

Blue (66%)

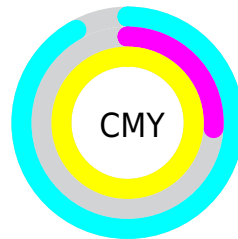


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (92%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4861, 36.5439, 6.0794 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 18.4861, 36.5439, 6.0794 by changing the saturation by 10% instead.


 18.4861, 36.5439,
6.0794


 18.4861, 36.5439,
6.0794


236.5898,
331.3316, 169.1083


 11.4013, 24.8546,
2.8239


 40.3875, 69.8707,
18.5760


 6.4067, 15.9687,
1.0054


 55.9349, 92.2770,
28.6541

 3.1369, 9.5020,
0.0000


 75.0339, 119.0244,
41.8435

 1.2266, 5.0701,
0.0000

 98.0498, 150.4973,
58.5627

 0.1272, 2.2884,
0.0000

 125.3479,
187.0800, 79.2302

 0.0000, 0.7676,
0.0000

 157.2938,

 0.0000, 0.0000,

229.1571, 104.2646

0.0000

194.2526,
277.1128, 134.0845

■ 18.4861, 36.5439,
6.0794

■ 18.4861, 36.5439,
6.0794

■ 18.4864, 36.5452,
6.0796

■ 19.0747, 36.8349,
6.7171

■ 20.0562, 37.3143,
7.9640

■ 21.5070, 38.0178,
10.0393

■ 23.4774, 38.9689,
13.0533

■ 26.0108, 40.1880,
17.0993

■ 29.1461, 41.6934,
22.2595

■ 32.9190, 43.5017,
28.6078

■ 37.3619, 45.6285,
36.2116

■ 42.5055, 48.0879,
45.1335

Harmonies

Analogous

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



27.8375, 36.5439, 1.8556



18.4861, 36.5439, 6.0794



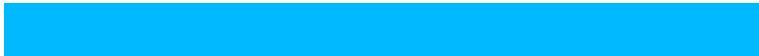
14.2307, 36.5439, 23.0784

Triad

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



18.4861, 36.5439, 6.0794



28.2626, 36.5439, 176.5428



68.8247, 36.5439, 22.1157

Complementary

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



18.4861, 36.5439, 6.0794



25.5532, 12.1124, 49.1372

Split Complementary

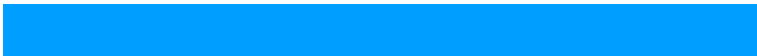
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.0321, 36.5439, 63.0840



18.4861, 36.5439, 6.0794



42.6845, 36.5439, 175.5291

Square

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



18.4861, 36.5439, 6.0794



18.7228, 36.5439, 127.4313



58.4737, 36.5439, 125.2114



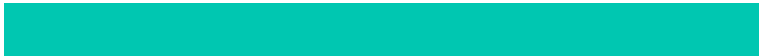
57.9673, 36.5439, 5.7904

Rectangle

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



18.4861, 36.5439, 6.0794



13.8208, 36.5439, 47.9236



58.4737, 36.5439, 125.2114



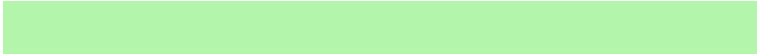
70.2249, 36.5439, 32.6332

Sweetspot

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



18.4869, 36.5454, 6.0802



58.5961, 77.7364, 50.6245



34.7978, 38.4404, 5.5863



11.9628, 16.4111, 9.8082



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.



18.4869, 36.5454, 6.0802



33.0149, 65.4019, 10.8838



19.3835, 36.8707, 12.3058



9.4999, 10.6966, 10.1406



12.4700, 24.6044, 4.0919



0.5201, 0.9801, 0.1618

Inverse Universe

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



25.5532, 12.1124, 49.1372



45.6400, 21.6279, 87.9953



24.1724, 12.0937, 17.7547



9.8279, 9.6437, 12.0156



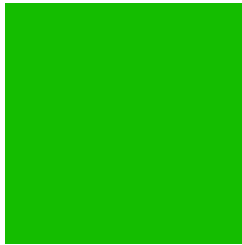
17.2303, 8.1686, 33.0615



0.7038, 0.3348, 1.2964

Previews

White Background



This preview shows how the XYZ color 18.4861, 36.5439, 6.0794 looks on a white background.

Color Contrast Check

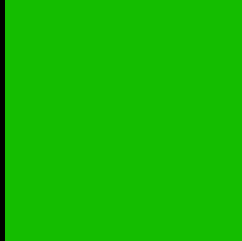
Large Text (above 18pt) WCAG AA × Fail

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 18.4861, 36.5439, 6.0794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

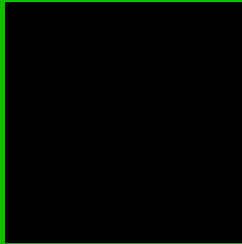
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.4861, 36.5439, 6.0794

Background



This preview shows how black text looks on a background with the XYZ color 18.4861, 36.5439, 6.0794.



This preview shows how white text looks on a background with the XYZ color 18.4861, 36.5439,

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

18.4861, 36.5439, 6.0794

Protanopia

32.2117, 35.7857, 5.2096

Deuteranopia

36.4201, 35.6391, 7.0573



Tritanopia

28.2129, 36.5177, 54.2768

Trichromacy



Original Color

18.4861, 36.5439, 6.0794



Protanomaly

22.9209, 33.7160, 5.2998



Deuteranomaly

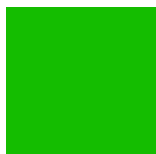
23.9760, 32.5813, 6.0024



Tritanomaly

21.7787, 35.3580, 23.7661

Monochromacy



Original Color

18.4861, 36.5439, 6.0794



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.5382, 21.9332, 9.9458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4861, 36.5439, 6.0794 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(20, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 189, 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(20, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 189, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.4861, 36.5439, 6.0794 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(20, 189, 0) }
```


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

```
.border{ border-color:rgb(20, 189, 0) }
```

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

Here you see how a box with a 4 pixel rgb(20, 189, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 189, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4861, 36.5439, 6.0794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 189, 0) }
```

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

```
.background{ background-color: rgb(20, 189,  
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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