

Converting Colors

XYZ(19.5049, 37.7932, 6.2668)

Have a look what the booklet for
XYZ(19.5049, 37.7932, 6.2668)
contains.

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Color

**XYZ(19.4675, 37.6929,
6.2494)**

Conversions

Conversions Part 1

Format	Color
Hex	27BF00
RGB	39, 191, 0
RGB Percent	15%, 75%, 0%
CMY	0.8471, 0.2510, 0.9999
CMYK	0.80, 0.00, 1.00, 0.25
HSL	108°, 100%, 37%
HSV	108°, 100%, 75%
XYZ	19.4675, 37.6929, 6.2494
YIQ	123.7780, -29.2810, -91.6250

Conversions

Conversions Part 2

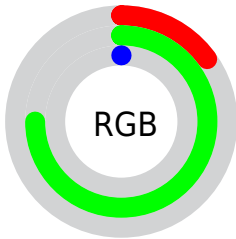
Format	Color
RYB	0, 191, 152
Decimal	2604800
CIELab	67.79, -66.45, 67.32
CIELCh	68, 94.593, 134.625
Yxy	37.6929, 0.3070, 0.5944
Android (android.graphics.Color)	4280794880 (0xFF27BF00)
YUV	123.7780, -61.0226, -74.3503
Hunter-Lab	61.3945, -50.8402, 36.9410

Details

The XYZ color **19.4675, 37.6929, 6.2494** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **22.3577, 10.4398, 50.1289**, and the grayscale version is **19.2896, 20.2941, 22.1003**.

A 20% lighter version of the original color is **42.0970, 71.8266, 19.0423**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.4677, 37.6941, 6.2496**, and if you desaturate by 10%, it is **20.2823, 38.1004, 6.9066**.

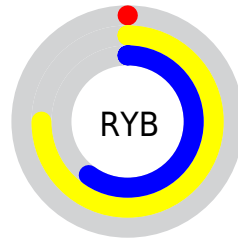
Distribution



Red (15%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (60%)

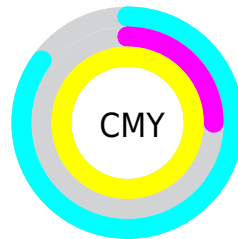


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (85%)

Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4675, 37.6929, 6.2494 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 19.4675, 37.6929, 6.2494 by changing the saturation by 10% instead.


 19.4675, 37.6929,
6.2494


 19.4675, 37.6929,
6.2494


241.9065,
336.3008, 170.6594


 12.1146, 25.7444,
2.9261


 42.0334, 71.6372,
18.9329


 6.8945, 16.6325,
1.0570

 57.9770, 94.4018,
29.1302

 3.4420, 9.9729,
0.0000


 77.5150, 121.5406,
42.4559

 1.3916, 5.3810,
0.0000

 101.0126,
153.4379, 59.3286

 0.2502, 2.4725,
0.0000

 128.8352,
190.4782, 80.1667

 0.0000, 0.8628,
0.0000

 161.3481,

 0.0000, 0.0000,

233.0458, 105.3889

0.0000

198.9168,
281.5252, 135.4136

■ 19.4675, 37.6929,
6.2494

■ 19.4675, 37.6929,
6.2494

■ 19.4677, 37.6941,
6.2496

■ 20.2823, 38.1004,
6.9066

■ 21.4680, 38.6845,
8.1878

■ 23.0887, 39.4746,
10.3155

■ 25.1851, 40.4892,
13.4023

■ 27.7924, 41.7443,
17.5438

■ 30.9428, 43.2548,
22.8240

■ 34.6653, 45.0340,
29.3182

■ 38.9872, 47.0943,
37.0955

■ 43.9338, 49.4475,
46.2197

Harmonies

Analogous

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



29.1785, 37.6929, 2.0198



19.4675, 37.6929, 6.2494



14.9619, 37.6929, 23.1626

Triad

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



19.4675, 37.6929, 6.2494



28.8689, 37.6929, 178.1698



70.5476, 37.6929, 23.8665

Complementary

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



19.4675, 37.6929, 6.2494



22.3577, 10.4398, 50.1289

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.



70.3977, 37.6929, 66.3411



19.4675, 37.6929, 6.2494



43.4133, 37.6929, 178.8984

Square

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



19.4675, 37.6929, 6.2494



19.2943, 37.6929, 127.7085



59.4599, 37.6929, 129.3074



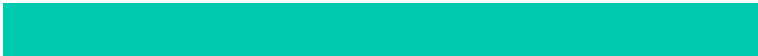
59.8263, 37.6929, 6.4649

Rectangle

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



19.4675, 37.6929, 6.2494



14.4560, 37.6929, 47.8900



59.4599, 37.6929, 129.3074



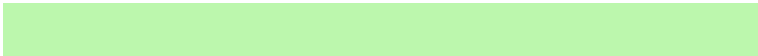
71.8443, 37.6929, 34.8786

Sweetspot

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



19.4684, 37.6945, 6.2502



61.7355, 80.4869, 51.8905



32.3332, 32.7696, 4.6216



12.9082, 17.3645, 10.2546



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



19.4684, 37.6945, 6.2502



34.7073, 67.4263, 11.1853



19.3007, 37.5308, 9.7332



9.5858, 10.7409, 10.1446



12.8480, 24.7993, 4.1096



0.5578, 0.9995, 0.1635

Inverse Universe

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



22.3577, 10.4398, 50.1289



39.8331, 18.5891, 89.7677



25.9945, 12.8803, 24.7422



9.7341, 9.5953, 12.0112



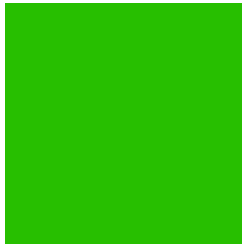
14.7595, 6.8949, 32.9458



0.6273, 0.2954, 1.2928

Previews

White Background



This preview shows how the XYZ color 19.4675, 37.6929, 6.2494 looks on a white background.

Color Contrast Check

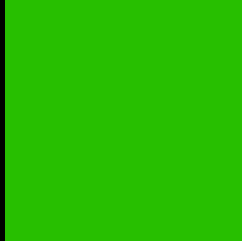
Large Text (above 18pt) WCAG AA × Fail

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 19.4675, 37.6929, 6.2494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

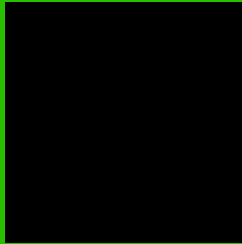
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.4675, 37.6929, 6.2494

Background



This preview shows how black text looks on a background with the XYZ color 19.4675, 37.6929, 6.2494.



This preview shows how white text looks on a background with the XYZ color 19.4675, 37.6929,

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

19.4675, 37.6929, 6.2494

Protanopia

33.2830, 36.8652, 5.3615

Deuteranopia

37.5752, 36.7246, 7.2060



Tritanopia

29.3653, 37.6728, 55.5930

Trichromacy



Original Color

19.4675, 37.6929, 6.2494



Protanomaly

24.6518, 35.1776, 5.4907



Deuteranomaly

25.8661, 34.0996, 6.1959



Tritanomaly

22.9721, 36.5742, 24.2611

Monochromacy



Original Color

19.4675, 37.6929, 6.2494



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.5154, 24.0715, 11.1729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4675, 37.6929, 6.2494 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(39, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(39, 191, 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(39, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4675, 37.6929, 6.2494 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(39, 191, 0) }
```


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

```
.border{ border-color:rgb(39, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(39, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(39, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4675, 37.6929, 6.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 191, 0) }
```

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

```
.background{ background-color: rgb(39, 191,  
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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