

Converting Colors

XYZ(18.9817, 37.5235, 6.2423)

Have a look what the booklet for
XYZ(18.9817, 37.5235, 6.2423)
contains.

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Color

**XYZ(18.9193, 37.4103,
6.2238)**

Conversions

Conversions Part 1

Format	Color
Hex	14BF00
RGB	20, 191, 0
RGB Percent	8%, 75%, 0%
CMY	0.9216, 0.2510, 0.9999
CMYK	0.90, 0.00, 1.00, 0.25
HSL	114°, 100%, 37%
HSV	114°, 100%, 75%
XYZ	18.9193, 37.4103, 6.2238
YIQ	118.0970, -40.6050, -95.6530

Conversions

Conversions Part 2

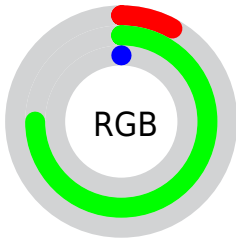
Format	Color
RYB	0, 191, 171
Decimal	1359616
CIELab	67.58, -68.34, 67.07
CIELCh	68, 95.749, 135.536
Yxy	37.4103, 0.3025, 0.5981
Android (android.graphics.Color)	4279549696 (0xFF14BF00)
YUV	118.0970, -58.2218, -86.0311
Hunter-Lab	61.1640, -51.8231, 36.7817

Details

The XYZ color **18.9193, 37.4103, 6.2238** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **26.2045, 12.4229, 50.3089**, and the grayscale version is **17.4379, 18.3460, 19.9788**.

A 20% lighter version of the original color is **41.2308, 71.3800, 19.0018**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **18.9197, 37.4116, 6.2240**, and if you desaturate by 10%, it is **19.5168, 37.7057, 6.8709**.

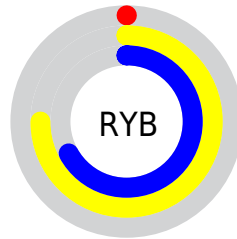
Distribution



Red (8%)

Green (75%)

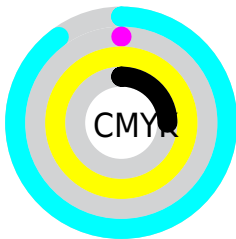
Blue (0%)



Red (0%)

Yellow (75%)

Blue (67%)

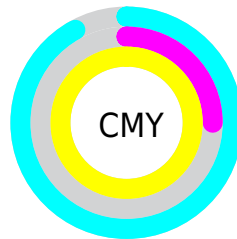


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (92%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9193, 37.4103, 6.2238 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 18.9193, 37.4103, 6.2238 by changing the saturation by 10% instead.


 18.9193, 37.4103,
6.2238


 18.9193, 37.4103,
6.2238


238.9496,
335.0835, 170.4271


 11.7156, 25.5253,
2.9107


 41.1156, 71.2034,
18.8793


 6.6212, 16.4689,
1.0492


 56.8390, 93.8803,
29.0587

 3.2705, 9.8565,
0.0000


 76.1330, 120.9233,
42.3640

 1.2984, 5.3039,
0.0000

 99.3629, 152.7168,
59.2137

 0.1820, 2.4267,
0.0000

 126.8942,
189.6451, 80.0263

 0.0000, 0.8396,
0.0000

 159.0922,

 0.0000, 0.0000,

232.0928, 105.2204

0.0000

196.3222,
280.4441, 135.2144

■ 18.9193, 37.4103,
6.2238

■ 18.9193, 37.4103,
6.2238

■ 18.9197, 37.4116,
6.2240

■ 19.5168, 37.7057,
6.8709

■ 20.5174, 38.1944,
8.1435

■ 21.9993, 38.9130,
10.2647

■ 24.0142, 39.8855,
13.3479

■ 26.6070, 41.1332,
17.4888

■ 29.8177, 42.6748,
22.7719

■ 33.6829, 44.5275,
29.2729

■ 38.2360, 46.7070,
37.0611

■ 43.5086, 49.2283,
46.2007

Harmonies

Analogous

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



28.4915, 37.4103, 1.8983



18.9193, 37.4103, 6.2238



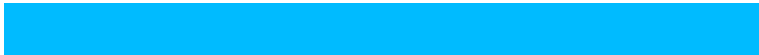
14.5645, 37.4103, 23.6338

Triad

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



18.9193, 37.4103, 6.2238



28.9362, 37.4103, 180.7789



70.4621, 37.4103, 22.6267

Complementary

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



18.9193, 37.4103, 6.2238



26.2045, 12.4229, 50.3089

Split Complementary

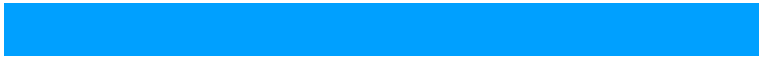
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.6791, 37.4103, 64.5635



18.9193, 37.4103, 6.2238



43.7043, 37.4103, 179.7182

Square

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



18.9193, 37.4103, 6.2238



19.1669, 37.4103, 130.5006



59.8709, 37.4103, 128.1780



59.3412, 37.4103, 5.9215

Rectangle

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



18.9193, 37.4103, 6.2238



14.1459, 37.4103, 49.0797



59.8709, 37.4103, 128.1780



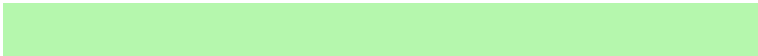
71.8974, 37.4103, 33.3915

Sweetspot

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



18.9202, 37.4119, 6.2246



59.9592, 79.5712, 51.8074



35.6232, 39.3495, 5.7183



12.4908, 17.1493, 10.2350



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.



18.9202, 37.4119, 6.2246



33.7907, 66.9538, 11.1424



19.8421, 37.7473, 12.5838



9.4990, 10.6961, 10.1405



12.4669, 24.6028, 4.0917



0.5197, 0.9799, 0.1617

Inverse Universe

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



26.2045, 12.4229, 50.3089



46.8059, 22.1837, 90.0941



24.7447, 12.3804, 18.1608



9.8290, 9.6442, 12.0157



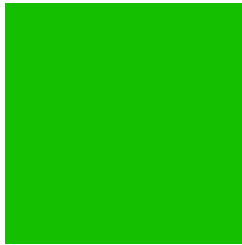
17.2603, 8.1841, 33.0629



0.7047, 0.3353, 1.2964

Previews

White Background



This preview shows how the XYZ color 18.9193, 37.4103, 6.2238 looks on a white background.

Color Contrast Check

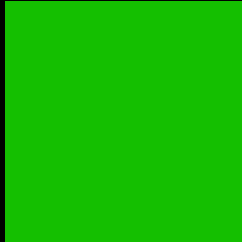
Large Text (above 18pt) WCAG AA × Fail

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 18.9193, 37.4103, 6.2238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

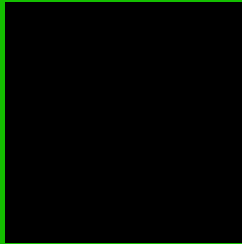
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.9193, 37.4103, 6.2238

Background



This preview shows how black text looks on a background with the XYZ color 18.9193, 37.4103, 6.2238.



This preview shows how white text looks on a background with the XYZ color 18.9193, 37.4103,

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

18.9193, 37.4103, 6.2238

Protanopia

33.0426, 36.7413, 5.3502

Deuteranopia

37.2984, 36.5819, 7.1930



Tritanopia

28.9145, 37.4404, 55.5719

Trichromacy



Original Color

18.9193, 37.4103, 6.2238



Protanomaly

23.4482, 34.5572, 5.4344



Deuteranomaly

24.6703, 33.4831, 6.1399



Tritanomaly

22.2500, 36.2019, 24.2273

Monochromacy



Original Color

18.9193, 37.4103, 6.2238



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

14.8751, 22.5526, 10.2257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9193, 37.4103, 6.2238 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, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 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(20, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.9193, 37.4103, 6.2238 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, 191, 0) }
```


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

```
.border{ border-color:rgb(20, 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(20, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9193, 37.4103, 6.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 191, 0) }
```

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

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