

Converting Colors

XYZ(18.9585, 37.5115, 6.2412)

Have a look what the booklet for
XYZ(18.9585, 37.5115, 6.2412)
contains.

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Color

**XYZ(18.8994, 37.4001,
6.2228)**

Conversions

Conversions Part 1

Format	Color
Hex	13BF00
RGB	19, 191, 0
RGB Percent	7%, 75%, 0%
CMY	0.9255, 0.2510, 0.9999
CMYK	0.90, 0.00, 1.00, 0.25
HSL	114°, 100%, 37%
HSV	114°, 100%, 75%
XYZ	18.8994, 37.4001, 6.2228
YIQ	117.7980, -41.2010, -95.8650

Conversions

Conversions Part 2

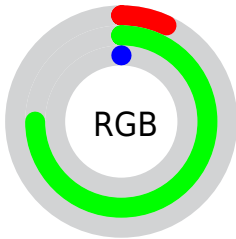
Format	Color
RYB	0, 191, 172
Decimal	1294080
CIELab	67.58, -68.41, 67.06
CIELCh	68, 95.792, 135.570
Yxy	37.4001, 0.3023, 0.5982
Android (android.graphics.Color)	4279484160 (0xFF13BF00)
YUV	117.7980, -58.0744, -86.6458
Hunter-Lab	61.1556, -51.8591, 36.7760

Details

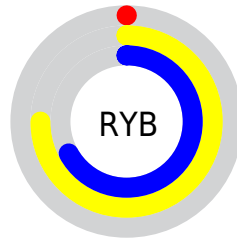
The XYZ color **18.8994, 37.4001, 6.2228** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **26.4225, 12.5352, 50.3192**, and the grayscale version is **17.3434, 18.2466, 19.8706**.

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 **18.8998, 37.4014, 6.2231**, and if you desaturate by 10%, it is **19.4848, 37.6893, 6.8693**.

Distribution



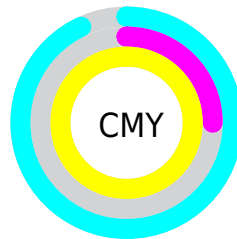
- Red (7%)
- Green (75%)
- Blue (0%)



- Red (0%)
- Yellow (75%)
- Blue (67%)



- Cyan (90%)
- Magenta (0%)
- Yellow (100%)
- Black (25%)





- Cyan (93%)
- Magenta (25%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8994, 37.4001, 6.2228 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 18.8994, 37.4001, 6.2228 by changing the saturation by 10% instead.


 18.8994, 37.4001,
6.2228


 18.8994, 37.4001,
6.2228


238.8416,
335.0395, 170.4180


 11.7012, 25.5174,
2.9101


 41.0822, 71.1877,
18.8772


 6.6113, 16.4630,
1.0489


 56.7976, 93.8614,
29.0559


 3.2644, 9.8524,
0.0000


 76.0826, 120.9010,
42.3604

 1.2951, 5.3012,
0.0000

 99.3028, 152.6907,
59.2092

 0.1795, 2.4250,
0.0000

 126.8234,
189.6150, 80.0208

 0.0000, 0.8387,
0.0000

 159.0099,

 0.0000, 0.0000,

232.0583, 105.2138

0.0000

196.2275,
280.4050, 135.2067

■ 18.8994, 37.4001,
6.2228

■ 18.8994, 37.4001,
6.2228

■ 18.8998, 37.4014,
6.2231

■ 19.4848, 37.6893,
6.8693

■ 20.4746, 38.1724,
8.1413

■ 21.9479, 38.8866,
10.2620

■ 23.9572, 39.8562,
13.3447

■ 26.5479, 41.1028,
17.4854

■ 29.7605, 42.6454,
22.7684

■ 33.6321, 44.5014,
29.2696

■ 38.1966, 46.6868,
37.0582

■ 43.4857, 49.2166,
46.1984

Harmonies

Analogous

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



28.4666, 37.4001, 1.8939



18.8994, 37.4001, 6.2228



14.5500, 37.4001, 23.6512

Triad

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



18.8994, 37.4001, 6.2228



28.9388, 37.4001, 180.8768



70.4594, 37.4001, 22.5821

Complementary

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



18.8994, 37.4001, 6.2228



26.4225, 12.5352, 50.3192

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.



70.6899, 37.4001, 64.4993



18.8994, 37.4001, 6.2228



43.7152, 37.4001, 179.7500

Square

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



18.8994, 37.4001, 6.2228



19.1622, 37.4001, 130.6048



59.8864, 37.4001, 128.1378



59.3238, 37.4001, 5.9022

Rectangle

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



18.8994, 37.4001, 6.2228



14.1346, 37.4001, 49.1239



59.8864, 37.4001, 128.1378



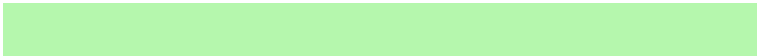
71.8998, 37.4001, 33.3379

Sweetspot

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



18.9003, 37.4017, 6.2236



59.8686, 79.5244, 51.8031



36.2213, 40.5458, 5.9176



12.4696, 17.1384, 10.2340



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.



18.9003, 37.4017, 6.2236



33.7586, 66.9372, 11.1409



19.9507, 37.7908, 13.1558



9.4944, 10.6938, 10.1403



12.4528, 24.5955, 4.0911



0.5177, 0.9788, 0.1616

Inverse Universe

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



26.4225, 12.5352, 50.3192



47.2017, 22.3878, 90.1126



24.5591, 12.3061, 17.1831



9.8340, 9.6468, 12.0159



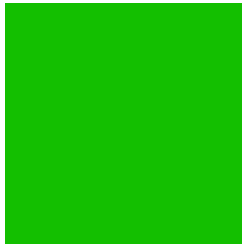
17.4019, 8.2571, 33.0695



0.7090, 0.3375, 1.2966

Previews

White Background



This preview shows how the XYZ color 18.8994, 37.4001, 6.2228 looks on a white background.

Color Contrast Check

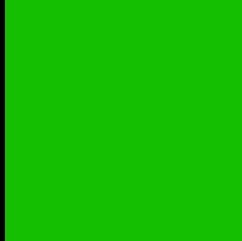
Large Text (above 18pt) WCAG AA × Fail

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 18.8994, 37.4001, 6.2228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

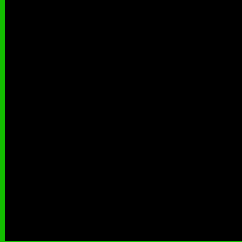
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.8994, 37.4001, 6.2228

Background



This preview shows how black text looks on a background with the XYZ color 18.8994, 37.4001, 6.2228.



This preview shows how white text looks on a background with the XYZ color 18.8994, 37.4001,

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

18.8994, 37.4001, 6.2228

Protanopia

33.0426, 36.7413, 5.3502

Deuteranopia

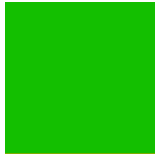
37.2984, 36.5819, 7.1930



Tritanopia

28.9145, 37.4404, 55.5719

Trichromacy



Original Color

18.8994, 37.4001, 6.2228



Protanomaly

23.4482, 34.5572, 5.4344



Deuteranomaly

24.5056, 33.3982, 6.1322



Tritanomaly

22.2500, 36.2019, 24.2273

Monochromacy



Original Color

18.8994, 37.4001, 6.2228



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 18.8994, 37.4001, 6.2228 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(19, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.8994, 37.4001, 6.2228 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(19, 191, 0) }
```


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

```
.border{ border-color:rgb(19, 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(19, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(19, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8994, 37.4001, 6.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 191, 0) }
```

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

```
.background{ background-color: rgb(19, 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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