

Converting Colors

XYZ(19.8989, 38.0005, 6.2906)

Have a look what the booklet for
XYZ(19.8989, 38.0005, 6.2906)
contains.

XYZ(19.8497, 37.8900, 6.2673)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.8497, 37.8900,
6.2673)**

Conversions

Conversions Part 1

Format	Color
Hex	30BF00
RGB	48, 191, 0
RGB Percent	19%, 75%, 0%
CMY	0.8118, 0.2510, 0.9999
CMYK	0.75, 0.00, 1.00, 0.25
HSL	105°, 100%, 37%
HSV	105°, 100%, 75%
XYZ	19.8497, 37.8900, 6.2673
YIQ	126.4690, -23.9170, -89.7170

Conversions

Conversions Part 2

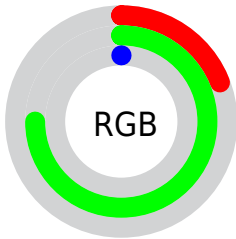
Format	Color
RYB	0, 191, 143
Decimal	3194624
CIELab	67.94, -65.16, 67.50
CIELCh	68, 93.821, 133.989
Yxy	37.8900, 0.3101, 0.5920
Android (android.graphics.Color)	4281384704 (0xFF30BF00)
YUV	126.4690, -62.3492, -68.8173
Hunter-Lab	61.5549, -50.1598, 37.0517

Details

The XYZ color **19.8497, 37.8900, 6.2673** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **20.7366, 9.6040, 50.0531**, and the grayscale version is **20.2048, 21.2570, 23.1489**.

A 20% lighter version of the original color is **42.7582, 72.1674, 19.0733**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.8498, 37.8912, 6.2675**, and if you desaturate by 10%, it is **20.7557, 38.3445, 6.9288**.

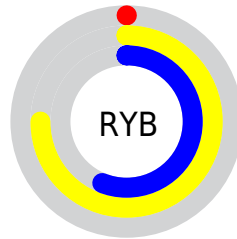
Distribution



Red (19%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (56%)

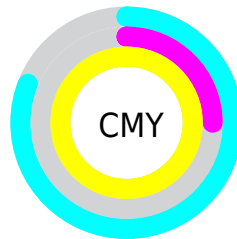


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (81%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8497, 37.8900, 6.2673 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 19.8497, 37.8900, 6.2673 by changing the saturation by 10% instead.


 19.8497, 37.8900,
6.2673


 19.8497, 37.8900,
6.2673


243.9494,
337.1479, 170.8216


 12.3935, 25.8973,
2.9369


 42.6709, 71.9395,
18.9704


 7.0863, 16.7468,
1.0625


 58.7666, 94.7651,
29.1801

 3.5630, 10.0542,
0.0000


 78.4728, 121.9705,
42.5201

 1.4580, 5.4349,
0.0000

 102.1550,
153.9401, 59.4088

 0.2970, 2.5046,
0.0000

 130.1783,
191.0582, 80.2647

 0.0000, 0.8789,
0.0000

 162.9083,

 0.0000, 0.0000,

233.7093, 105.5065

0.0000

200.7102,
282.2777, 135.5526

■ 19.8497, 37.8900,
6.2673

■ 19.8497, 37.8900,
6.2673

■ 19.8498, 37.8912,
6.2675

■ 20.7557, 38.3445,
6.9288

■ 22.0136, 38.9659,
8.2134

■ 23.6832, 39.7811,
10.3433

■ 25.8008, 40.8067,
13.4312

■ 28.3987, 42.0570,
17.5723

■ 31.5058, 43.5451,
22.8504

■ 35.1485, 45.2831,
29.3409

■ 39.3514, 47.2821,
37.1127

■ 44.1376, 49.5527,
46.2294

Harmonies

Analogous

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



29.6567, 37.8900, 2.1058



19.8497, 37.8900, 6.2673



15.2387, 37.8900, 22.8459

Triad

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



19.8497, 37.8900, 6.2673



28.8252, 37.8900, 176.4178



70.6124, 37.8900, 24.7412

Complementary

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



19.8497, 37.8900, 6.2673



20.7366, 9.6040, 50.0531

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.



70.2121, 37.8900, 67.5804



19.8497, 37.8900, 6.2673



43.2189, 37.8900, 178.3564

Square

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



19.8497, 37.8900, 6.2673



19.3832, 37.8900, 125.8350



59.1853, 37.8900, 130.0951



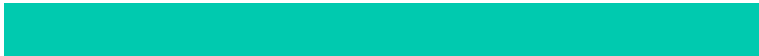
60.1647, 37.8900, 6.8551

Rectangle

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



19.8497, 37.8900, 6.2673



14.6715, 37.8900, 47.0921



59.1853, 37.8900, 130.0951



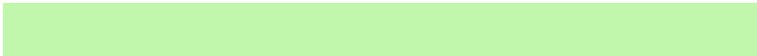
71.8144, 37.8900, 35.9227

Sweetspot

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



19.8506, 37.8916, 6.2681



62.6090, 80.9372, 51.9314



30.8759, 29.8549, 4.1358



13.1150, 17.4711, 10.2642



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.



19.8506, 37.8916, 6.2681



35.3633, 67.7644, 11.2160



19.0975, 37.4496, 8.6627



9.6274, 10.7623, 10.1466



13.1081, 24.9333, 4.1217



0.5758, 1.0088, 0.1644

Inverse Universe

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



20.7366, 9.6040, 50.0531



36.9010, 17.0775, 89.6305



26.7097, 13.1663, 28.5078



9.6895, 9.5723, 12.0092



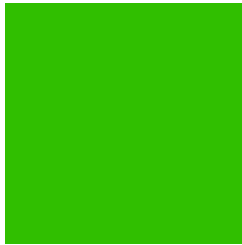
13.7034, 6.3504, 32.8964



0.5934, 0.2780, 1.2912

Previews

White Background



This preview shows how the XYZ color 19.8497, 37.8900, 6.2673 looks on a white background.

Color Contrast Check

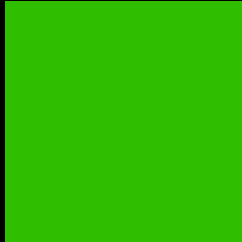
Large Text (above 18pt) WCAG AA × Fail

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 19.8497, 37.8900, 6.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

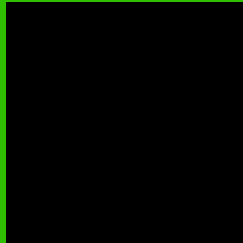
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.8497, 37.8900, 6.2673

Background



This preview shows how black text looks on a background with the XYZ color 19.8497, 37.8900, 6.2673.



This preview shows how white text looks on a background with the XYZ color 19.8497, 37.8900,

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

19.8497, 37.8900, 6.2673

Protanopia

33.4627, 37.2246, 5.4214

Deuteranopia

37.7423, 37.0588, 7.2617



Tritanopia

29.7492, 37.8707, 55.6110

Trichromacy



Original Color

19.8497, 37.8900, 6.2673



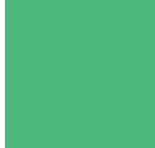
Protanomaly

25.1277, 35.4230, 5.5130



Deuteranomaly

26.7688, 34.8401, 6.2912



Tritanomaly

23.3480, 36.7680, 24.2787

Monochromacy



Original Color

19.8497, 37.8900, 6.2673



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.3913, 24.9886, 11.4961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8497, 37.8900, 6.2673 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(48, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.8497, 37.8900, 6.2673 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(48, 191, 0) }
```


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

```
.border{ border-color:rgb(48, 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(48, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(48, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.8497, 37.8900, 6.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 191, 0) }
```

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

```
.background{ background-color: rgb(48, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor