

Converting Colors

XYZ(21.7731, 38.1427, 6.2147)

Have a look what the booklet for
XYZ(21.7731, 38.1427, 6.2147)
contains.

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Color

**XYZ(21.8538, 38.2800,
6.2370)**

Conversions

Conversions Part 1

Format	Color
Hex	54BD00
RGB	84, 189, 0
RGB Percent	33%, 74%, 0%
CMY	0.6706, 0.2588, 0.9999
CMYK	0.56, 0.00, 1.00, 0.26
HSL	93°, 100%, 37%
HSV	93°, 100%, 74%
XYZ	21.8538, 38.2800, 6.2370
YIQ	136.0590, -1.9110, -81.0390

Conversions

Conversions Part 2

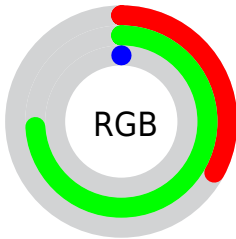
Format	Color
RYB	0, 189, 105
Decimal	5553408
CIELab	68.23, -56.73, 68.12
CIELCh	68, 88.651, 129.788
Yxy	38.2800, 0.3293, 0.5768
Android (android.graphics.Color)	4283743488 (0xFF54BD00)
YUV	136.0590, -67.0771, -45.6557
Hunter-Lab	61.8708, -45.2248, 37.3327

Details

The XYZ color **21.8538, 38.2800, 6.2370** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **15.0145, 6.6795, 48.6441**, and the grayscale version is **23.6698, 24.9025, 27.1188**.

A 20% lighter version of the original color is **45.8686, 72.4053, 18.9552**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **21.8535, 38.2810, 6.2372**, and if you desaturate by 10%, it is **22.9830, 38.8498, 6.9000**.

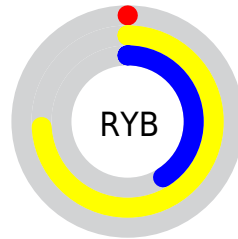
Distribution



Red (33%)

Green (74%)

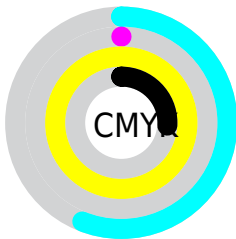
Blue (0%)



Red (0%)

Yellow (74%)

Blue (41%)

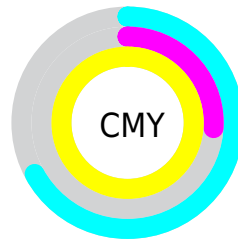


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (67%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8538, 38.2800, 6.2370 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 21.8538, 38.2800, 6.2370 by changing the saturation by 10% instead.


 21.8538, 38.2800,
6.2370


 21.8538, 38.2800,
6.2370


254.4286,
338.8196, 170.5469


 13.8655, 26.2001,
2.9186


 45.9849, 72.5371,
18.9070

 8.1083, 16.9734,
1.0532


 62.8584, 95.4831,
29.0956


 4.2167, 10.2155,
0.0000


 83.4244, 122.8198,
42.4114

 1.8254, 5.5421,
0.0000

 108.0482,
154.9318, 59.2729

 0.5329, 2.5687,
0.0000

 137.0951,
192.2034, 80.0987

 0.0000, 0.9110,
0.0000

 170.9306,

 0.0000, 0.0000,

235.0189, 105.3073

0.0000

209.9200,
283.7629, 135.3172

■ 21.8538, 38.2800,
6.2370

■ 21.8538, 38.2800,
6.2370

■ 21.8535, 38.2810,
6.2372

■ 22.9830, 38.8498,
6.9000

■ 24.3715, 39.5390,
8.1660

■ 26.0668, 40.3686,
10.2527

■ 28.0949, 41.3494,
13.2694

■ 30.4784, 42.4912,
17.3084

■ 33.2372, 43.8025,
22.4510

■ 36.3900, 45.2912,
28.7703

■ 39.9536, 46.9646,
36.3330

■ 43.9441, 48.8296,
45.2010

Harmonies

Analogous

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



32.0385, 38.2800, 2.6360



21.8538, 38.2800, 6.2370



16.6656, 38.2800, 20.4785

Triad

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



21.8538, 38.2800, 6.2370



27.9302, 38.2800, 162.1864



69.4769, 38.2800, 30.0041

Complementary

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



21.8538, 38.2800, 6.2370



15.0145, 6.6795, 48.6441

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.



67.5655, 38.2800, 74.0076



21.8538, 38.2800, 6.2370



41.1057, 38.2800, 171.2302

Square

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



21.8538, 38.2800, 6.2370



19.5055, 38.2800, 112.0985



56.2450, 38.2800, 132.1551



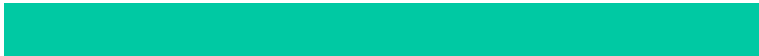
60.9486, 38.2800, 9.4298

Rectangle

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



21.8538, 38.2800, 6.2370



15.7093, 38.2800, 41.3980



56.2450, 38.2800, 132.1551



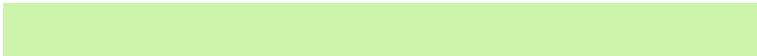
70.0755, 38.2800, 41.9641

Sweetspot

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



21.8547, 38.2816, 6.2378



64.8774, 80.9745, 50.9185



25.9337, 20.7122, 2.6316



13.4240, 17.1644, 9.8766



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.



21.8547, 38.2816, 6.2378



38.8720, 68.4213, 11.1579



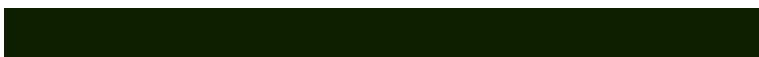
18.2505, 36.4176, 6.3394



9.8004, 10.8515, 10.1546



14.7882, 25.7995, 4.2004



0.6545, 1.0494, 0.1681

Inverse Universe

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



15.0145, 6.6795, 48.6441



26.6070, 11.8160, 87.1046



29.1803, 14.0969, 44.1255



9.5097, 9.4796, 12.0007



10.1899, 4.5392, 32.7320



0.4733, 0.2160, 1.2856

Previews

White Background



This preview shows how the XYZ color 21.8538, 38.2800, 6.2370 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 21.8538, 38.2800, 6.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

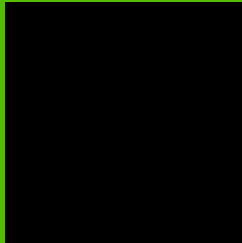
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.8538, 38.2800, 6.2370

Background



This preview shows how black text looks on a background with the XYZ color 21.8538, 38.2800, 6.2370.



This preview shows how white text looks on a background with the XYZ color 21.8538, 38.2800,

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

21.8538, 38.2800, 6.2370

Protanopia

33.8859, 37.7115, 5.4931

Deuteranopia

38.4356, 37.6703, 7.1648



Tritanopia

31.5017, 38.2131, 54.4308

Trichromacy



Original Color

21.8538, 38.2800, 6.2370



Protanomaly

27.5305, 36.6617, 5.6254



Deuteranomaly

29.4677, 36.2327, 6.3602



Tritanomaly

25.4546, 37.2530, 23.9381

Monochromacy



Original Color

21.8538, 38.2800, 6.2370



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.7778, 27.9127, 13.3094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8538, 38.2800, 6.2370 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(84, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(84, 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(84, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 189, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8538, 38.2800, 6.2370 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(84, 189, 0) }
```


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

```
.border{ border-color:rgb(84, 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(84, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(84, 189, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8538, 38.2800, 6.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 189, 0) }
```

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

```
.background{ background-color: rgb(84, 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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