

Converting Colors

XYZ(21.8192, 37.3473, 6.7430)

Have a look what the booklet for
XYZ(21.8192, 37.3473, 6.7430)
contains.

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Color

**XYZ(21.8050, 37.2922,
6.7107)**

Conversions

Conversions Part 1

Format	Color
Hex	59BA14
RGB	89, 186, 20
RGB Percent	35%, 73%, 8%
CMY	0.6510, 0.2706, 0.9215
CMYK	0.52, 0.00, 0.89, 0.27
HSL	95°, 81%, 40%
HSV	95°, 89%, 73%
XYZ	21.8050, 37.2922, 6.7107
YIQ	138.0730, -4.5260, -72.1900

Conversions

Conversions Part 2

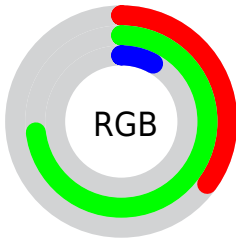
Format	Color
R_{YB}	20, 186, 117
Decimal	5880340
CIE _{Lab}	67.50, -53.81, 64.96
CIE _{LCh}	67, 84.350, 129.638
Yxy	37.2922, 0.3313, 0.5667
Android (android.graphics.Color)	4284070420 (0xFF59BA14)
YUV	138.0730, -58.2100, -43.0370
Hunter-Lab	61.0673, -43.1318, 36.2318

Details

The XYZ color **21.8050, 37.2922, 6.7107** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **16.4520, 7.8291, 47.1006**, and the grayscale version is **24.4033, 25.6741, 27.9591**.

A 20% lighter version of the original color is **45.9030, 71.0530, 19.8896**, and **8.4029, 16.5807, 2.7575** is the 20% darker color. If you saturate the color by 10%, you get **20.7200, 36.7477, 6.0415**, and if you desaturate by 10%, it is **23.1606, 37.9652, 7.9933**.

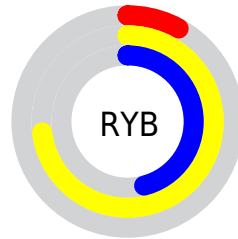
Distribution



Red (35%)

Green (73%)

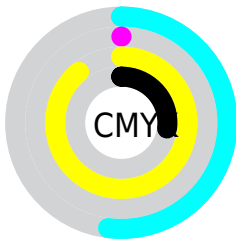
Blue (8%)



Red (8%)

Yellow (73%)

Blue (46%)

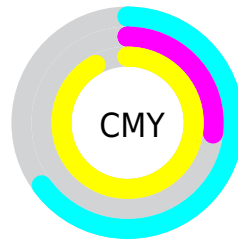


Cyan (52%)

Magenta (0%)

Yellow (89%)

Black (27%)



Cyan (65%)


Magenta (27%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8050, 37.2922, 6.7107 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 21.8050, 37.2922, 6.7107 by changing the saturation by 10% instead.


 21.8050, 37.2922,
6.7107


 21.8050, 37.2922,
6.7107


254.1778,
334.5739, 174.7764


 13.8295, 25.4338,
3.2062


 45.9047, 71.0220,
19.8917


 8.0831, 16.4006,
1.2008


 62.7597, 93.6621,
30.4052

 4.2004, 9.8080,
0.0000


 83.3052, 120.6650,
44.0921

 1.8161, 5.2719,
0.0000

 107.9065,
152.4150, 61.3709

 0.5274, 2.4076,
0.0000

 136.9291,
189.2965, 82.6602

 0.0000, 0.8298,
0.0000

 170.7383,

 0.0000, 0.0000,

231.6938, 108.3785

0.0000

209.6994,
279.9915, 138.9444

■ 21.8050, 37.2922,
6.7107

■ 21.8050, 37.2922,
6.7107

■ 20.7200, 36.7477,
6.0415

■ 23.1606, 37.9652,
7.9933

■ 20.6449, 36.7099,
5.9976

■ 24.8263, 38.7796,
10.0755

■ 26.8286, 39.7477,
13.0616

■ 29.1895, 40.8793,
17.0393

■ 31.9294, 42.1828,
22.0862

■ 35.0664, 43.6664,
28.2720

■ 38.6176, 45.3372,
35.6605

■ 42.5990, 47.2024,
44.3110

■ 47.0256, 49.2683,
54.2785

Harmonies

Analogous

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



31.4342, 37.2922, 3.0588



21.8050, 37.2922, 6.7107



16.8381, 37.2922, 20.4890

Triad

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



21.8050, 37.2922, 6.7107



27.4614, 37.2922, 151.0088



66.1302, 37.2922, 29.7889

Complementary

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



21.8050, 37.2922, 6.7107



16.4520, 7.8291, 47.1006

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.



64.3200, 37.2922, 70.8473



21.8050, 37.2922, 6.7107



39.7835, 37.2922, 159.4489

Square

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



21.8050, 37.2922, 6.7107



19.5084, 37.2922, 105.2779



53.8394, 37.2922, 124.1023



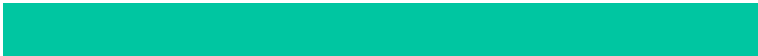
58.3099, 37.2922, 9.9711

Rectangle

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



21.8050, 37.2922, 6.7107



15.9080, 37.2922, 40.1556



53.8394, 37.2922, 124.1023



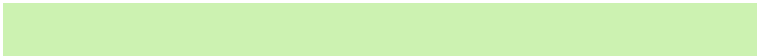
66.6640, 37.2922, 41.0575

Sweetspot

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



21.8059, 37.2938, 6.7115



64.6558, 79.6623, 53.4814



26.7197, 23.1756, 3.7274



13.7806, 17.3271, 10.8488



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.



21.8059, 37.2938, 6.7115



37.1578, 66.4015, 10.8584



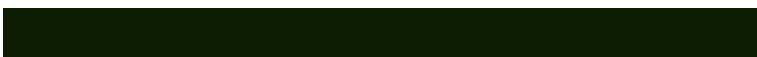
18.1349, 35.3829, 7.3754



9.2345, 10.2375, 9.5962



13.9698, 24.7380, 4.0386



0.5633, 0.9086, 0.1457

Inverse Universe

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



16.4520, 7.8291, 47.1006



27.1461, 12.1386, 85.1136



27.9638, 13.9255, 40.3300



9.0103, 8.9717, 11.3362



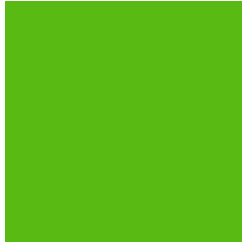
10.2675, 4.6043, 31.6006



0.4306, 0.1977, 1.1172

Previews

White Background



This preview shows how the XYZ color 21.8050, 37.2922, 6.7107 looks on a white background.

Color Contrast Check

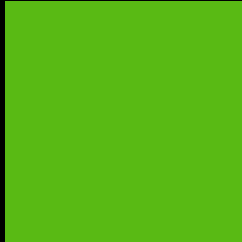
Large Text (above 18pt) WCAG AA × Fail

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 21.8050, 37.2922, 6.7107 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 21.8050, 37.2922, 6.7107

Background



This preview shows how black text looks on a background with the XYZ color 21.8050, 37.2922, 6.7107.



This preview shows how white text looks on a background with the XYZ color 21.8050, 37.2922,

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

21.8050, 37.2922, 6.7107

Protanopia

33.0974, 36.7632, 5.6387

Deuteranopia

37.3161, 36.5890, 7.2861



Tritanopia

30.9834, 37.1198, 52.5456

Trichromacy



Original Color

21.8050, 37.2922, 6.7107



Protanomaly

27.2262, 35.9263, 5.9150



Deuteranomaly

29.0292, 35.1745, 6.7727



Tritanomaly

25.6301, 36.4113, 25.4159

Monochromacy



Original Color

21.8050, 37.2922, 6.7107



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.5326, 28.2620, 15.1467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8050, 37.2922, 6.7107 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(89, 186, 20)` looks like.

```
.text, #text, p{  
    color:rgb(89, 186, 20)  
}
```

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(89, 186, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 186, 20) }
```

Border

The CSS property to change the border of an element to XYZ 21.8050, 37.2922, 6.7107 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(89, 186, 20) }
```


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

```
.border{ border-color:rgb(89, 186, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 186, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 186, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 186, 20);  
box-shadow:4px 4px 4px 4px rgb(89, 186,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8050, 37.2922, 6.7107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 186, 20) }
```

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

```
.background{ background-color: rgb(89, 186,  
20) }
```

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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