

Converting Colors

XYZ(21.9391, 37.9820, 6.4037)

Have a look what the booklet for
XYZ(21.9391, 37.9820, 6.4037)
contains.

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Color

**XYZ(21.9575, 38.0102,
6.4092)**

Conversions

Conversions Part 1

Format	Color
Hex	57BC08
RGB	87, 188, 8
RGB Percent	34%, 74%, 3%
CMY	0.6588, 0.2627, 0.9685
CMYK	0.54, 0.00, 0.96, 0.26
HSL	94°, 92%, 38%
HSV	94°, 96%, 74%
XYZ	21.9575, 38.0102, 6.4092
YIQ	137.2810, -2.4160, -77.3920

Conversions

Conversions Part 2

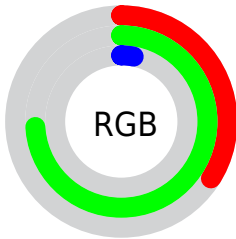
Format	Color
R_{YB}	8, 188, 109
Decimal	5749768
CIE _{Lab}	68.03, -55.39, 67.08
CIE _{LCh}	68, 86.992, 129.551
Yxy	38.0102, 0.3308, 0.5726
Android (android.graphics.Color)	4283939848 (0xFF57BC08)
YUV	137.2810, -63.7355, -44.0964
Hunter-Lab	61.6524, -44.3190, 36.9931

Details

The XYZ color **21.9575, 38.0102, 6.4092** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **15.4745, 7.0580, 48.1258**, and the grayscale version is **24.1207, 25.3769, 27.6354**.

A 20% lighter version of the original color is **46.1702, 72.1019, 19.2682**, and **8.5501, 17.0631, 2.8429** is the 20% darker color. If you saturate the color by 10%, you get **21.5071, 37.7843, 6.1596**, and if you desaturate by 10%, it is **23.1684, 38.6181, 7.2591**.

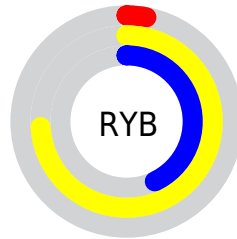
Distribution



Red (34%)

Green (74%)

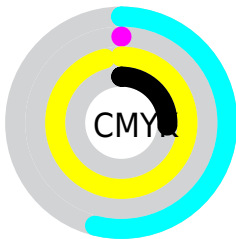
Blue (3%)



Red (3%)

Yellow (74%)

Blue (43%)

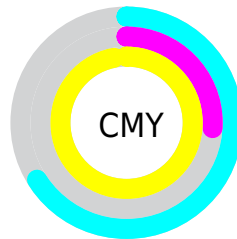


Cyan (54%)

Magenta (0%)

Yellow (96%)

Black (26%)



Cyan (66%)


Magenta (26%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9575, 38.0102, 6.4092 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 21.9575, 38.0102, 6.4092 by changing the saturation by 10% instead.


 21.9575, 38.0102,
6.4092


 21.9575, 38.0102,
6.4092


254.9608,
337.6637, 172.1004


 13.9421, 25.9906,
3.0227


 46.1551, 72.1238,
19.2666

 8.1618, 16.8166,
1.1062


 63.0681, 94.9865,
29.5746


 4.2514, 10.1038,
0.0000


 83.6775, 122.2325,
43.0268

 1.8453, 5.4679,
0.0000

 108.3489,
154.2460, 60.0418

 0.5447, 2.5243,
0.0000

 137.4476,
191.4115, 81.0382

 0.0000, 0.8888,
0.0000

 171.3389,

 0.0000, 0.0000,

234.1133, 106.4343

0.0000

210.3882,
282.7360, 136.6489

■ 21.9575, 38.0102,
6.4092

■ 21.9575, 38.0102,
6.4092

■ 21.5071, 37.7843,
6.1596

■ 23.1684, 38.6181,
7.2591

■ 24.6663, 39.3568,
8.8425

■ 26.4815, 40.2403,
11.2852

■ 28.6379, 41.2790,
14.6871

■ 31.1570, 42.4818,
19.1341

■ 34.0579, 43.8570,
24.7028

■ 37.3584, 45.4123,
31.4624

■ 41.0750, 47.1547,
39.4766

■ 45.2230, 49.0909,
48.8046

Harmonies

Analogous

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



31.9783, 38.0102, 2.8081



21.9575, 38.0102, 6.4092



16.8137, 38.0102, 20.4216

Triad

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



21.9575, 38.0102, 6.4092



27.7744, 38.0102, 157.9133



68.3588, 38.0102, 30.2084

Complementary

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



21.9575, 38.0102, 6.4092



15.4745, 7.0580, 48.1258

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.



66.4197, 38.0102, 73.2806



21.9575, 38.0102, 6.4092



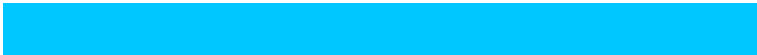
40.6211, 38.0102, 167.0324

Square

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



21.9575, 38.0102, 6.4092



19.5433, 38.0102, 109.3230



55.3678, 38.0102, 129.5942



60.1464, 38.0102, 9.7520

Rectangle

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



21.9575, 38.0102, 6.4092



15.8481, 38.0102, 40.8046



55.3678, 38.0102, 129.5942



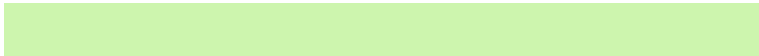
68.9110, 38.0102, 41.9742

Sweetspot

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



21.9584, 38.0118, 6.4100



65.3790, 81.2058, 52.1748



26.0428, 21.2273, 2.9550



13.5163, 17.2069, 10.1133



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.



21.9584, 38.0118, 6.4100



38.7060, 68.3358, 11.1501



18.1858, 36.0603, 6.5330



9.7953, 10.8489, 10.1544



14.7249, 25.7668, 4.1974



0.6520, 1.0481, 0.1679

Inverse Universe

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



15.4745, 7.0580, 48.1258



26.8298, 11.9309, 87.1150



28.9642, 14.1208, 43.8493



9.5148, 9.4823, 12.0010



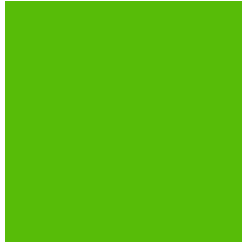
10.2736, 4.5823, 32.7359



0.4763, 0.2176, 1.2858

Previews

White Background



This preview shows how the XYZ color 21.9575, 38.0102, 6.4092 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 21.9575, 38.0102, 6.4092 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

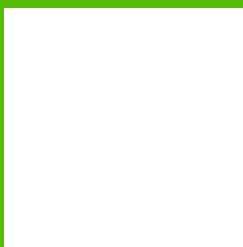
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9575, 38.0102, 6.4092

Background



This preview shows how black text looks on a background with the XYZ color 21.9575, 38.0102, 6.4092.



This preview shows how white text looks on a background with the XYZ color 21.9575, 38.0102,

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

21.9575, 38.0102, 6.4092

Protanopia

33.7048, 37.3494, 5.4327

Deuteranopia

37.9868, 37.1888, 7.0955



Tritanopia

31.4547, 37.9115, 53.8039

Trichromacy



Original Color

21.9575, 38.0102, 6.4092

Protanomaly

27.5377, 36.3777, 5.6564

Deuteranomaly

29.3165, 35.8756, 6.4782

Tritanomaly

25.6053, 37.0156, 24.5341

Monochromacy



Original Color

21.9575, 38.0102, 6.4092

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

21.3417, 28.4371, 14.0369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9575, 38.0102, 6.4092 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(87, 188, 8)` looks like.

```
.text, #text, p{  
    color:rgb(87, 188, 8)  
}
```

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(87, 188, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 188, 8) }
```

Border

The CSS property to change the border of an element to XYZ 21.9575, 38.0102, 6.4092 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(87, 188, 8) }
```


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

```
.border{ border-color:rgb(87, 188, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 188, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 188, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 188, 8);  
box-shadow:4px 4px 4px 4px rgb(87, 188, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.9575, 38.0102, 6.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 188, 8) }
```

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

```
.background{ background-color: rgb(87, 188,  
8) }
```

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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