

Converting Colors

XYZ(22.2952, 39.2318, 6.3974)

Have a look what the booklet for
XYZ(22.2952, 39.2318, 6.3974)
contains.

XYZ(22.1981, 39.1006, 6.3772)	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(22.1981, 39.1006,
6.3772)**

Conversions

Conversions Part 1

Format	Color
Hex	53BF00
RGB	83, 191, 0
RGB Percent	33%, 75%, 0%
CMY	0.6745, 0.2510, 0.9999
CMYK	0.57, 0.00, 1.00, 0.25
HSL	94°, 100%, 37%
HSV	94°, 100%, 75%
XYZ	22.1981, 39.1006, 6.3772
YIQ	136.9340, -3.0570, -82.2970

Conversions

Conversions Part 2

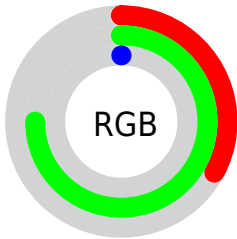
Format	Color
RYB	0, 191, 108
Decimal	5488384
CIELab	68.82, -57.71, 68.58
CIELCh	69, 89.628, 130.080
Yxy	39.1006, 0.3280, 0.5778
Android (android.graphics.Color)	4283678464 (0xFF53BF00)
YUV	136.9340, -67.5085, -47.3001
Hunter-Lab	62.5305, -46.0614, 37.7246

Details

The XYZ color **22.1981, 39.1006, 6.3772** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **15.5918, 6.9518, 49.8124**, and the grayscale version is **24.0028, 25.2528, 27.5003**.

A 20% lighter version of the original color is **46.4803, 73.6286, 19.1591**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **22.1979, 39.1017, 6.3774**, and if you desaturate by 10%, it is **23.3460, 39.6799, 7.0500**.

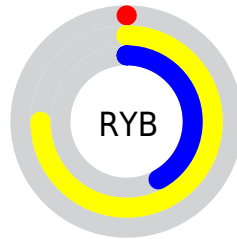
Distribution



Red (33%)

Green (75%)

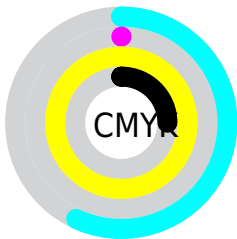
Blue (0%)



Red (0%)

Yellow (75%)

Blue (42%)

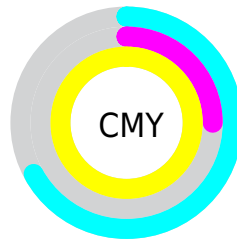


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (67%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1981, 39.1006, 6.3772 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 22.1981, 39.1006, 6.3772 by changing the saturation by 10% instead.


 22.1981, 39.1006,
6.3772


 22.1981, 39.1006,
6.3772


256.1920,
342.3180, 171.8131


 14.1200, 26.8380,
3.0033

 46.5496, 73.7920,
19.1999

 8.2864, 17.4516,
1.0963


 63.5537, 96.9895,
29.4859

 4.3321, 10.5570,
0.0000


 84.2638, 124.6009,
42.9129

 1.8917, 5.7698,
0.0000

 109.0453,
157.0104, 59.8995

 0.5720, 2.7056,
0.0000

 138.2635,
194.6025, 80.8643

 0.0000, 0.9800,
0.0000

 172.2838,

 0.0000, 0.0000,

237.7615, 106.2258

0.0000

211.4715,
286.8719, 136.4026

■ 22.1981, 39.1006,
6.3772

■ 22.1981, 39.1006,
6.3772

■ 22.1979, 39.1017,
6.3774

■ 23.3460, 39.6799,
7.0500

■ 24.7642, 40.3839,
8.3421

■ 26.5017, 41.2342,
10.4753

■ 28.5854, 42.2422,
13.5615

■ 31.0388, 43.4180,
17.6959

■ 33.8827, 44.7705,
22.9617

■ 37.1363, 46.3079,
29.4340

■ 40.8175, 48.0380,
37.1814

■ 44.9428, 49.9678,
46.2672

Harmonies

Analogous

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



32.5828, 39.1006, 2.6561



22.1981, 39.1006, 6.3772



16.9354, 39.1006, 21.0862

Triad

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



22.1981, 39.1006, 6.3772



28.6081, 39.1006, 166.7091



71.0901, 39.1006, 30.2913

Complementary

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



22.1981, 39.1006, 6.3772



15.5918, 6.9518, 49.8124

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.



69.2367, 39.1006, 75.1986



22.1981, 39.1006, 6.3772



42.1556, 39.1006, 175.4922

Square

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



22.1981, 39.1006, 6.3772



19.9290, 39.1006, 115.4721



57.6846, 39.1006, 134.9384



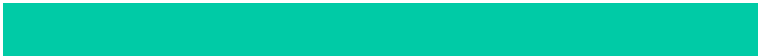
62.2438, 39.1006, 9.4473

Rectangle

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



22.1981, 39.1006, 6.3772



15.9854, 39.1006, 42.6831



57.6846, 39.1006, 134.9384



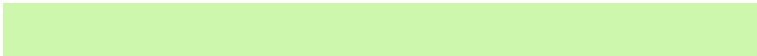
71.7421, 39.1006, 42.4649

Sweetspot

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



22.1990, 39.1023, 6.3781



66.2083, 82.7927, 52.0998



26.5447, 21.1925, 2.6921



13.9758, 17.9149, 10.3045



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.



22.1990, 39.1023, 6.3781



39.4880, 69.8908, 11.4091



18.6843, 37.2843, 6.4866



9.7914, 10.8469, 10.1542



14.6764, 25.7418, 4.1951



0.6500, 1.0470, 0.1678

Inverse Universe

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



15.5918, 6.9518, 49.8124



27.6375, 12.3020, 89.1970



29.8742, 14.4322, 45.1721



9.5188, 9.4843, 12.0012



10.3392, 4.6161, 32.7390



0.4787, 0.2188, 1.2859

Previews

White Background



This preview shows how the XYZ color 22.1981, 39.1006, 6.3772 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 22.1981, 39.1006, 6.3772 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 22.1981, 39.1006, 6.3772

Background



This preview shows how black text looks on a background with the XYZ color 22.1981, 39.1006, 6.3772.



This preview shows how white text looks on a background with the XYZ color 22.1981, 39.1006,

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

22.1981, 39.1006, 6.3772

Protanopia

34.5578, 38.3288, 5.5768

Deuteranopia

39.1882, 38.3086, 7.3363



Tritanopia

32.1169, 39.0913, 55.7218

Trichromacy



Original Color

22.1981, 39.1006, 6.3772



Protanomaly

28.1030, 37.5347, 5.7637



Deuteranomaly

29.8600, 36.7122, 6.4321



Tritanomaly

25.8132, 38.0388, 24.3941

Monochromacy



Original Color

22.1981, 39.1006, 6.3772



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.1134, 28.5840, 13.4213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1981, 39.1006, 6.3772 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(83, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 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(83, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.1981, 39.1006, 6.3772 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(83, 191, 0) }
```


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

```
.border{ border-color:rgb(83, 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(83, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.1981, 39.1006, 6.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 191, 0) }
```

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

```
.background{ background-color: rgb(83, 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