

Converting Colors

XYZ(22.8785, 39.5324, 6.4247)

Have a look what the booklet for
XYZ(22.8785, 39.5324, 6.4247)
contains.

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Color

**XYZ(22.8473, 39.4353,
6.4076)**

Conversions

Conversions Part 1

Format	Color
Hex	5ABF00
RGB	90, 191, 0
RGB Percent	35%, 75%, 0%
CMY	0.6471, 0.2510, 0.9999
CMYK	0.53, 0.00, 1.00, 0.25
HSL	92°, 100%, 37%
HSV	92°, 100%, 75%
XYZ	22.8473, 39.4353, 6.4076
YIQ	139.0270, 1.1150, -80.8130

Conversions

Conversions Part 2

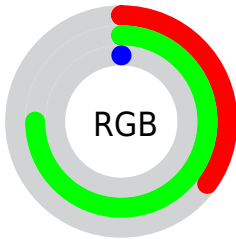
Format	Color
RYB	0, 191, 101
Decimal	5947136
CIELab	69.07, -55.77, 68.87
CIElCh	69, 88.623, 129.002
Yxy	39.4353, 0.3326, 0.5741
Android (android.graphics.Color)	4284137216 (0xFF5ABF00)
YUV	139.0270, -68.5403, -42.9967
Hunter-Lab	62.7975, -44.9530, 37.9086

Details

The XYZ color **22.8473, 39.4353, 6.4076** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **14.7742, 6.5303, 49.7742**, and the grayscale version is **24.8085, 26.1004, 28.4234**.

A 20% lighter version of the original color is **47.5564, 74.1833, 19.2095**, and **8.9168, 17.6664, 2.9400** is the 20% darker color. If you saturate the color by 10%, you get **22.8470, 39.4364, 6.4078**, and if you desaturate by 10%, it is **24.0170, 40.0258, 7.0815**.

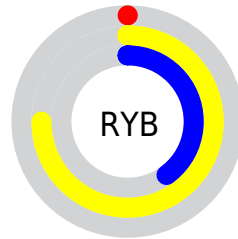
Distribution



Red (35%)

Green (75%)

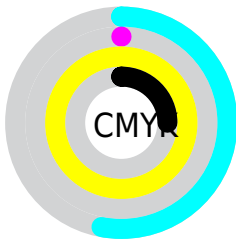
Blue (0%)



Red (0%)

Yellow (75%)

Blue (40%)

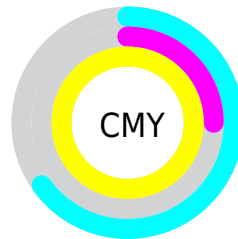


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (65%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.8473, 39.4353, 6.4076 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 22.8473, 39.4353, 6.4076 by changing the saturation by 10% instead.


 22.8473, 39.4353,
6.4076


 22.8473, 39.4353,
6.4076


259.4897,
343.7377, 172.0861


 14.6009, 27.0985,
3.0217


 47.6110, 74.3028,
19.2633


 8.6242, 17.6472,
1.1057


 64.8589, 97.6024,
29.5702


 4.5520, 10.6970,
0.0000


 85.8381, 125.3250,
43.0212

 2.0189, 5.8635,
0.0000

 110.9139,
157.8551, 60.0347

 0.6446, 2.7623,
0.0000

 140.4515,
195.5770, 81.0295

 0.0000, 1.0089,
0.0000

 174.8165,

 0.0000, 0.0000,

238.8751, 106.4239

0.0000

214.3741,
288.1339, 136.6366

■ 22.8473, 39.4353,
6.4076

■ 22.8473, 39.4353,
6.4076

■ 22.8470, 39.4364,
6.4078

■ 24.0170, 40.0258,
7.0815

■ 25.4408, 40.7327,
8.3738

■ 27.1662, 41.5768,
10.5064

■ 29.2192, 42.5690,
13.5913

■ 31.6220, 43.7187,
17.7233

■ 34.3945, 45.0344,
22.9859

■ 37.5551, 46.5238,
29.4538

■ 41.1205, 48.1942,
37.1958

■ 45.1065, 50.0522,
46.2752

Harmonies

Analogous

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



33.3883, 39.4353, 2.8142



22.8473, 39.4353, 6.4076



17.4033, 39.4353, 20.6498

Triad

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



22.8473, 39.4353, 6.4076



28.5621, 39.4353, 164.3099



71.2442, 39.4353, 31.8746

Complementary

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



22.8473, 39.4353, 6.4076



14.7742, 6.5303, 49.7742

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.



69.0121, 39.4353, 77.3057



22.8473, 39.4353, 6.4076



41.8975, 39.4353, 174.8272

Square

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



22.8473, 39.4353, 6.4076



20.0798, 39.4353, 112.9154



57.3206, 39.4353, 136.2788



62.8189, 39.4353, 10.2192

Rectangle

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



22.8473, 39.4353, 6.4076



16.3457, 39.4353, 41.5966



57.3206, 39.4353, 136.2788



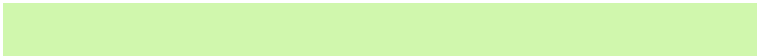
71.7527, 39.4353, 44.3086

Sweetspot

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



22.8482, 39.4370, 6.4085



66.9669, 83.1838, 52.1353



25.9200, 19.9430, 2.4838



14.1589, 18.0093, 10.3131



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.



22.8482, 39.4370, 6.4085



40.6418, 70.4856, 11.4630



18.6495, 37.2704, 6.3030



9.8247, 10.8640, 10.1558



15.1056, 25.9631, 4.2152



0.6672, 1.0559, 0.1686

Inverse Universe

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



14.7742, 6.5303, 49.7742



26.1739, 11.5475, 89.1285



30.5448, 14.7004, 48.7033



9.4851, 9.4670, 11.9996



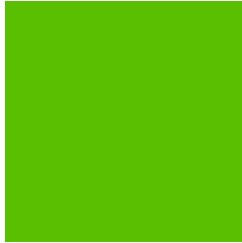
9.8018, 4.3391, 32.7138



0.4589, 0.2086, 1.2849

Previews

White Background



This preview shows how the XYZ color 22.8473, 39.4353, 6.4076 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 22.8473, 39.4353, 6.4076 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 22.8473, 39.4353, 6.4076

Background



This preview shows how black text looks on a background with the XYZ color 22.8473, 39.4353, 6.4076.



This preview shows how white text looks on a background with the XYZ color 22.8473, 39.4353,

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

22.8473, 39.4353, 6.4076

Protanopia

34.9889, 38.8241, 5.6497

Deuteranopia

39.6283, 38.7916, 7.3184



Tritanopia

32.7709, 39.4285, 55.7524

Trichromacy



Original Color

22.8473, 39.4353, 6.4076



Protanomaly

28.6622, 37.8230, 5.7899



Deuteranomaly

30.6747, 37.4115, 6.5241



Tritanomaly

26.5097, 38.3979, 24.4267

Monochromacy



Original Color

22.8473, 39.4353, 6.4076



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.8735, 29.2232, 13.7203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8473, 39.4353, 6.4076 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(90, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 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(90, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.8473, 39.4353, 6.4076 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(90, 191, 0) }
```


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

```
.border{ border-color:rgb(90, 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(90, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.8473, 39.4353, 6.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 191, 0) }
```

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

```
.background{ background-color: rgb(90, 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](#).

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