

Converting Colors

XYZ(23.4682, 39.8364, 6.4523)

Have a look what the booklet for
XYZ(23.4682, 39.8364, 6.4523)
contains.

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Color

**XYZ(23.4547, 39.7484,
6.4360)**

Conversions

Conversions Part 1

Format	Color
Hex	60BF00
RGB	96, 191, 0
RGB Percent	38%, 75%, 0%
CMY	0.6235, 0.2510, 0.9999
CMYK	0.50, 0.00, 1.00, 0.25
HSL	90°, 100%, 37%
HSV	90°, 100%, 75%
XYZ	23.4547, 39.7484, 6.4360
YIQ	140.8210, 4.6910, -79.5410

Conversions

Conversions Part 2

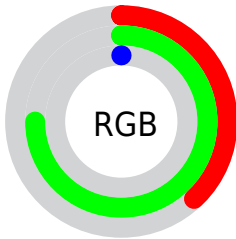
Format	Color
RYB	0, 191, 95
Decimal	6340352
CIELab	69.29, -54.01, 69.14
CIELCh	69, 87.739, 127.995
Yxy	39.7484, 0.3368, 0.5708
Android (android.graphics.Color)	4284530432 (0xFF60BF00)
YUV	140.8210, -69.4248, -39.3080
Hunter-Lab	63.0463, -43.9249, 38.0799

Details

The XYZ color **23.4547, 39.7484, 6.4360** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **14.1264, 6.1964, 49.7439**, and the grayscale version is **25.5113, 26.8399, 29.2287**.

A 20% lighter version of the original color is **48.4963, 74.6679, 19.2535**, and **9.3717, 18.1109, 3.0018** is the 20% darker color. If you saturate the color by 10%, you get **23.4545, 39.7495, 6.4362**, and if you desaturate by 10%, it is **24.6350, 40.3444, 7.1103**.

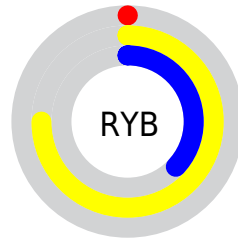
Distribution



Red (38%)

Green (75%)

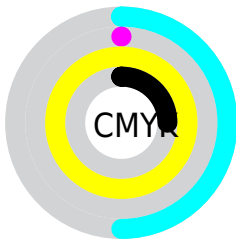
Blue (0%)



Red (0%)

Yellow (75%)

Blue (37%)

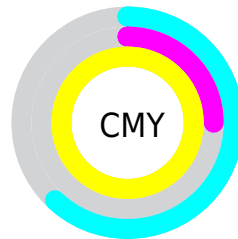


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (62%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4547, 39.7484, 6.4360 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 23.4547, 39.7484, 6.4360 by changing the saturation by 10% instead.


 23.4547, 39.7484,
6.4360


 23.4547, 39.7484,
6.4360


262.5438,
345.0620, 172.3405


 15.0522, 27.3424,
3.0389


 48.6001, 74.7802,
19.3224

 8.9426, 17.8306,
1.1145


 66.0736, 98.1749,
29.6489


 4.7605, 10.8284,
0.0000


 87.3015, 126.0012,
43.1222

 2.1408, 5.9516,
0.0000

 112.6491,
158.6436, 60.1609

 0.7112, 2.8157,
0.0000

 142.4818,
196.4865, 81.1835

 0.0000, 1.0363,
0.0000

 177.1649,

 0.0000, 0.0000,

239.9143, 106.6086

0.0000

217.0638,
289.3113, 136.8548

■ 23.4547, 39.7484,
6.4360

■ 23.4547, 39.7484,
6.4360

■ 23.4545, 39.7495,
6.4362

■ 24.6350, 40.3444,
7.1103

■ 26.0557, 41.0497,
8.4025

■ 27.7634, 41.8846,
10.5343

■ 29.7832, 42.8597,
13.6176

■ 32.1366, 43.9840,
17.7472

■ 34.8429, 45.2655,
23.0066

■ 37.9194, 46.7116,
29.4706

■ 41.3825, 48.3292,
37.2078

■ 45.2471, 50.1247,
46.2814

Harmonies

Analogous

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



34.1409, 39.7484, 2.9643



23.4547, 39.7484, 6.4360



17.8406, 39.7484, 20.2586

Triad

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



23.4547, 39.7484, 6.4360



28.5239, 39.7484, 162.1628



71.3959, 39.7484, 33.3738

Complementary

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



23.4547, 39.7484, 6.4360



14.1264, 6.1964, 49.7439

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.



68.8174, 39.7484, 79.2780



23.4547, 39.7484, 6.4360



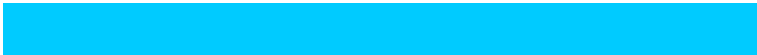
41.6682, 39.7484, 174.2488

Square

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



23.4547, 39.7484, 6.4360



20.2208, 39.7484, 110.6285



56.9975, 39.7484, 137.5336



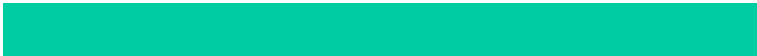
63.3571, 39.7484, 10.9618

Rectangle

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



23.4547, 39.7484, 6.4360



16.6818, 39.7484, 40.6252



56.9975, 39.7484, 137.5336



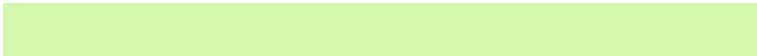
71.7731, 39.7484, 46.0464

Sweetspot

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



23.4556, 39.7501, 6.4369



67.6278, 83.5244, 52.1662



25.3426, 18.7883, 2.2914



14.3188, 18.0917, 10.3206



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.



23.4556, 39.7501, 6.4369



41.7246, 71.0438, 11.5137



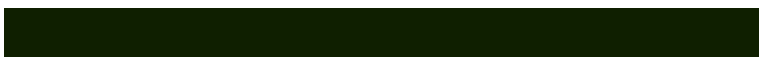
18.6718, 37.2840, 6.2130



9.8533, 10.8788, 10.1571



15.5063, 26.1697, 4.2340



0.6828, 1.0640, 0.1694

Inverse Universe

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



14.1264, 6.1964, 49.7439



25.0171, 10.9511, 89.0744



30.0995, 14.4308, 50.4914



9.4564, 9.4521, 11.9982



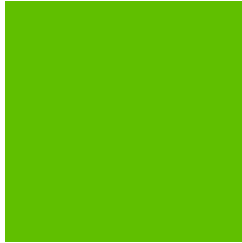
9.3752, 4.1192, 32.6939



0.4427, 0.2003, 1.2842

Previews

White Background



This preview shows how the XYZ color 23.4547, 39.7484, 6.4360 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 23.4547, 39.7484, 6.4360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

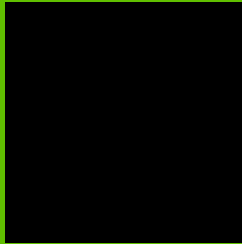
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.4547, 39.7484, 6.4360

Background



This preview shows how black text looks on a background with the XYZ color 23.4547, 39.7484, 6.4360.



This preview shows how white text looks on a background with the XYZ color 23.4547, 39.7484,

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

23.4547, 39.7484, 6.4360

Protanopia

35.4232, 39.3231, 5.7231

Deuteranopia

39.9157, 38.9398, 7.3318



Tritanopia

33.3200, 39.7115, 55.7781

Trichromacy



Original Color

23.4547, 39.7484, 6.4360



Protanomaly

29.4324, 38.5122, 5.8823



Deuteranomaly

31.3159, 37.7421, 6.5541



Tritanomaly

27.1284, 38.7169, 24.4556

Monochromacy



Original Color

23.4547, 39.7484, 6.4360



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.7010, 29.8944, 14.2466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4547, 39.7484, 6.4360 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(96, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 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(96, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.4547, 39.7484, 6.4360 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(96, 191, 0) }
```


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

```
.border{ border-color:rgb(96, 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(96, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.4547, 39.7484, 6.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 191, 0) }
```

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

```
.background{ background-color: rgb(96, 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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