

Converting Colors

XYZ(22.7333, 39.4575, 6.4179)

Have a look what the booklet for
XYZ(22.7333, 39.4575, 6.4179)
contains.

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Color

**XYZ(22.6553, 39.3363,
6.3986)**

Conversions

Conversions Part 1

Format	Color
Hex	58BF00
RGB	88, 191, 0
RGB Percent	35%, 75%, 0%
CMY	0.6549, 0.2510, 0.9999
CMYK	0.54, 0.00, 1.00, 0.25
HSL	92°, 100%, 37%
HSV	92°, 100%, 75%
XYZ	22.6553, 39.3363, 6.3986
YIQ	138.4290, -0.0770, -81.2370

Conversions

Conversions Part 2

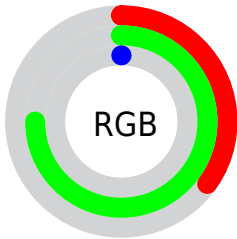
Format	Color
RYB	0, 191, 103
Decimal	5816064
CIELab	68.99, -56.34, 68.78
CIELCh	69, 88.914, 129.320
Yxy	39.3363, 0.3313, 0.5752
Android (android.graphics.Color)	4284006144 (0xFF58BF00)
YUV	138.4290, -68.2455, -44.2262
Hunter-Lab	62.7187, -45.2797, 37.8543

Details

The XYZ color **22.6553, 39.3363, 6.3986** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **15.0009, 6.6472, 49.7848**, and the grayscale version is **24.5766, 25.8565, 28.1577**.

A 20% lighter version of the original color is **47.1914, 73.9952, 19.1924**, and **8.8167, 17.6148, 2.9353** is the 20% darker color. If you saturate the color by 10%, you get **22.6551, 39.3374, 6.3988**, and if you desaturate by 10%, it is **23.8198, 39.9241, 7.0722**.

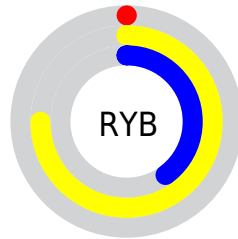
Distribution



Red (35%)

Green (75%)

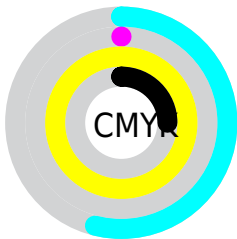
Blue (0%)



Red (0%)

Yellow (75%)

Blue (40%)

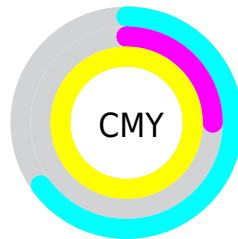


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (65%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6553, 39.3363, 6.3986 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 22.6553, 39.3363, 6.3986 by changing the saturation by 10% instead.


 22.6553, 39.3363,
6.3986


 22.6553, 39.3363,
6.3986


258.5181,
343.3182, 172.0053


 14.4585, 27.0214,
3.0163


 47.2975, 74.1518,
19.2445


 8.5241, 17.5893,
1.1029


 64.4737, 97.4212,
29.5452

 4.4867, 10.6556,
0.0000


 85.3736, 125.1110,
42.9891

 1.9810, 5.8357,
0.0000

 110.3628,
157.6054, 59.9947

 0.6232, 2.7454,
0.0000

 139.8064,
195.2890, 80.9806

 0.0000, 1.0003,
0.0000

 174.0699,

 0.0000, 0.0000,

238.5460, 106.3653

0.0000

213.5187,
287.7610, 136.5674

■ 22.6553, 39.3363,
6.3986

■ 22.6553, 39.3363,
6.3986

■ 22.6551, 39.3374,
6.3988

■ 23.8198, 39.9241,
7.0722

■ 25.2430, 40.6307,
8.3645

■ 26.9728, 41.4770,
10.4973

■ 29.0354, 42.4742,
13.5826

■ 31.4534, 43.6317,
17.7153

■ 34.2469, 44.9583,
22.9788

■ 37.4346, 46.4617,
29.4481

■ 41.0335, 48.1493,
37.1916

■ 45.0596, 50.0280,
46.2728

Harmonies

Analogous

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



33.1502, 39.3363, 2.7672



22.6553, 39.3363, 6.3986



17.2650, 39.3363, 20.7768

Triad

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



22.6553, 39.3363, 6.3986



28.5751, 39.3363, 165.0078



71.1977, 39.3363, 31.4043

Complementary

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



22.6553, 39.3363, 6.3986



15.0009, 6.6472, 49.7848

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.



69.0766, 39.3363, 76.6825



22.6553, 39.3363, 6.3986



41.9723, 39.3363, 175.0186

Square

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



22.6553, 39.3363, 6.3986



20.0352, 39.3363, 113.6590



57.4262, 39.3363, 135.8823



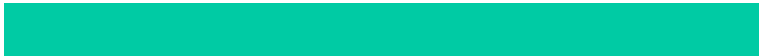
62.6488, 39.3363, 9.9886

Rectangle

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



22.6553, 39.3363, 6.3986



16.2393, 39.3363, 41.9125



57.4262, 39.3363, 135.8823



71.7483, 39.3363, 43.7618

Sweetspot

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



22.6562, 39.3380, 6.3995



66.7488, 83.0713, 52.1251



26.2263, 20.5557, 2.5860



14.1062, 17.9821, 10.3106



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.



22.6562, 39.3380, 6.3995



40.3002, 70.3096, 11.4471



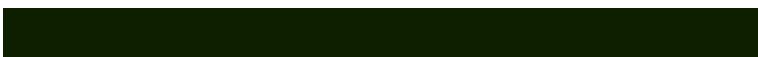
18.6669, 37.2774, 6.3948



9.8152, 10.8591, 10.1553



14.9788, 25.8977, 4.2093



0.6622, 1.0533, 0.1684

Inverse Universe

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



15.0009, 6.6472, 49.7848



26.5794, 11.7566, 89.1475



30.2058, 14.5648, 46.9179



9.4947, 9.4719, 12.0000



9.9509, 4.4160, 32.7208



0.4645, 0.2115, 1.2852

Previews

White Background



This preview shows how the XYZ color 22.6553, 39.3363, 6.3986 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 22.6553, 39.3363, 6.3986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

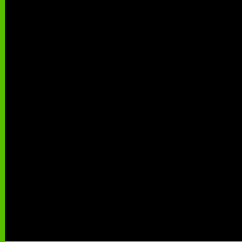
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.6553, 39.3363, 6.3986

Background



This preview shows how black text looks on a background with the XYZ color 22.6553, 39.3363, 6.3986.



This preview shows how white text looks on a background with the XYZ color 22.6553, 39.3363,

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

22.6553, 39.3363, 6.3986

Protanopia

34.9889, 38.8241, 5.6497

Deuteranopia

39.3427, 38.6444, 7.3050



Tritanopia

32.5051, 39.2914, 55.7400

Trichromacy



Original Color

22.6553, 39.3363, 6.3986



Protanomaly

28.4742, 37.7261, 5.7811



Deuteranomaly

30.4643, 37.3030, 6.5143



Tritanomaly

26.2720, 38.2754, 24.4156

Monochromacy



Original Color

22.6553, 39.3363, 6.3986



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.5642, 28.8116, 13.6572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6553, 39.3363, 6.3986 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(88, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(88, 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(88, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 22.6553, 39.3363, 6.3986 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(88, 191, 0) }
```


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

```
.border{ border-color:rgb(88, 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(88, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(88, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.6553, 39.3363, 6.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 191, 0) }
```

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

```
.background{ background-color: rgb(88, 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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