

Converting Colors

XYZ(29.4713, 38.9745, 5.9695)

Have a look what the booklet for
XYZ(29.4713, 38.9745, 5.9695)
contains.

XYZ(29.6377, 39.2088, 6.0060)	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(29.6377, 39.2088,
6.0060)**

Conversions

Conversions Part 1	
Format	Color
Hex	9BB300
RGB	155, 179, 0
RGB Percent	61%, 70%, 0%
CMY	0.3922, 0.2980, 0.9999
CMYK	0.13, 0.00, 1.00, 0.30
HSL	68°, 100%, 35%
HSV	68°, 100%, 70%
XYZ	29.6377, 39.2088, 6.0060
YIQ	151.4180, 43.1550, -60.7570

Conversions

Conversions Part 2

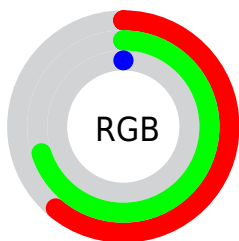
Format	Color
RYB	0, 179, 24
Decimal	10203904
CIELab	68.90, -26.90, 70.25
CIELCh	69, 75.225, 110.954
Yxy	39.2088, 0.3959, 0.5238
Android (android.graphics.Color)	4288393984 (0xFF9BB300)
YUV	151.4180, -74.6491, 3.1414
Hunter-Lab	62.6169, -25.0924, 38.1450

Details

The XYZ color **29.6377, 39.2088, 6.0060** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.5146, 3.4497, 42.8674**, and the grayscale version is **29.8941, 31.4509, 34.2500**.

A 20% lighter version of the original color is **58.5240, 74.1129, 18.4284**, and **12.6064, 17.5744, 2.7278** is the 20% darker color. If you saturate the color by 10%, you get **29.6380, 39.2103, 6.0063**, and if you desaturate by 10%, it is **30.2124, 39.4939, 6.5995**.

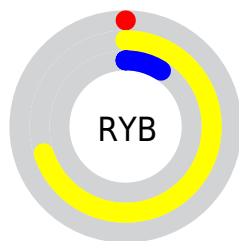
Distribution



Red (61%)

Green (70%)

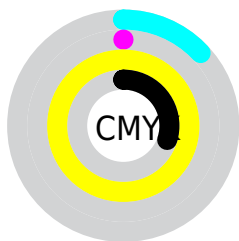
Blue (0%)



Red (0%)

Yellow (70%)

Blue (9%)

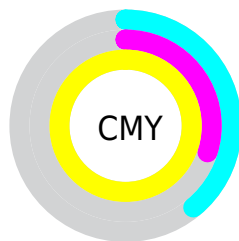


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (39%)

Magenta (30%)


Yellow (100%)


Brightness & Saturation

Gradients


These gradients show how the XYZ color 29.6377, 39.2088, 6.0060 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 29.6377, 39.2088, 6.0060 by changing the saturation by 10% instead.


 29.6377, 39.2088,
6.0060


 29.6377, 39.2088,
6.0060


292.1522,
342.7774, 168.4327


 19.7105, 26.9222,
2.7799


 58.4793, 73.9572,
18.4212

 12.2918, 17.5148,
0.9834


 78.1244, 97.1878,
28.4474


 7.0163, 10.6022,
0.0000


 101.7395,
124.8351, 41.5774

 3.5187, 5.8000,
0.0000

 129.6899,
157.2836, 58.2297

 1.4336, 2.7239,
0.0000

 162.3411,
194.9177, 78.8228

 0.2800, 0.9893,
0.0000

 200.0583,

 0.0000, 0.0000,

238.1218, 103.7753

0.0000

243.2069,
287.2802, 133.5057

■ 29.6377, 39.2088,
6.0060

■ 29.6377, 39.2088,
6.0060

■ 29.6380, 39.2103,
6.0063

■ 30.2124, 39.4939,
6.5995

■ 30.8942, 39.8214,
7.7127

■ 31.7216, 40.2083,
9.5447

■ 32.7129, 40.6618,
12.1905

■ 33.8832, 41.1879,
15.7305

■ 35.2461, 41.7922,
20.2355

■ 36.8137, 42.4795,
25.7691

■ 38.5972, 43.2543,
32.3896

■ 40.6068, 44.1205,
40.1509

Harmonies

Analogous

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



40.9982, 39.2088, 5.0999



29.6377, 39.2088, 6.0060



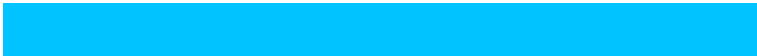
22.1164, 39.2088, 13.2043

Triad

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



29.6377, 39.2088, 6.0060



24.5835, 39.2088, 116.9221



64.8812, 39.2088, 53.8989

Complementary

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



29.6377, 39.2088, 6.0060



8.5146, 3.4497, 42.8674

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.



58.1159, 39.2088, 99.0232



29.6377, 39.2088, 6.0060



33.7689, 39.2088, 146.2564

Square

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



29.6377, 39.2088, 6.0060



19.6615, 39.2088, 70.8191



46.1041, 39.2088, 138.3717



63.1118, 39.2088, 23.2153

Rectangle

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



29.6377, 39.2088, 6.0060



19.4911, 39.2088, 24.6141



46.1041, 39.2088, 138.3717



63.4842, 39.2088, 67.9730

Sweetspot

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



29.6386, 39.2106, 6.0068



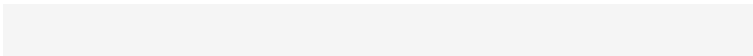
65.7742, 76.0080, 45.5898



18.9158, 10.2328, 0.9787



14.3047, 16.7225, 9.1434



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.6386, 39.2106, 6.0068



52.9388, 70.1489, 10.7499



18.3442, 33.3881, 5.4782



9.0827, 9.8477, 9.0746



20.9822, 27.7268, 4.2459



0.6911, 0.8883, 0.1350

Inverse Universe

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



8.5146, 3.4497, 42.8674



15.1413, 6.1222, 76.7648



14.9959, 6.7910, 43.1707



8.1445, 8.2830, 10.6758



6.0490, 2.4541, 30.2919



0.2237, 0.0944, 0.9547

Previews

White Background



This preview shows how the XYZ color 29.6377, 39.2088, 6.0060 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 29.6377, 39.2088, 6.0060 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 29.6377, 39.2088, 6.0060

Background



This preview shows how black text looks on a background with the XYZ color 29.6377, 39.2088, 6.0060.



This preview shows how white text looks on a background with the XYZ color 29.6377, 39.2088,

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

29.6377, 39.2088, 6.0060

Protanopia

34.9889, 38.8241, 5.6497

Deuteranopia

39.7968, 38.8923, 6.7058



Tritanopia

38.2366, 39.0027, 48.6930

Trichromacy



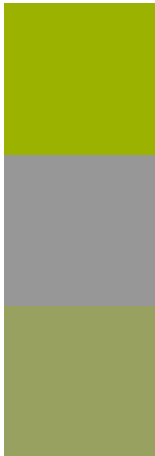
Original Color
29.6377, 39.2088, 6.0060

Protanomaly
32.8840, 38.8522, 5.7660

Deuteranomaly
35.2483, 38.3993, 6.2158

Tritanomaly
32.9673, 38.2561, 21.8663

Monochromacy



Original Color
29.6377, 39.2088, 6.0060

Achromatopsia
29.4150, 30.9469, 33.7012

Achromatomaly
27.8051, 33.0097, 15.9723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6377, 39.2088, 6.0060 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(155, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 179, 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(155, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.6377, 39.2088, 6.0060 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(155, 179, 0) }
```


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

```
.border{ border-color:rgb(155, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 179,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6377, 39.2088, 6.0060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 179, 0) }
```

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

```
.background{ background-color: rgb(155,  
179, 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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