

Converting Colors

$Yxy(38.3447, 0.3154, 0.5878)$

Have a look what the booklet for
Yxy(38.3447, 0.3154, 0.5878)
contains.

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Color

Yxy(38.2223, 0.3152, 0.5879)

Conversions

Conversions Part 1

Format	Color
Hex	3CBF00
RGB	60, 191, 0
RGB Percent	24%, 75%, 0%
CMY	0.7649, 0.2510, 0.9996
CMYK	0.69, 0.00, 1.00, 0.25
HSL	101°, 100%, 37%
HSV	101°, 100%, 75%
XYZ	20.4927, 38.2223, 6.3000
YIQ	130.0570, -16.7650, -87.1730

Conversions

Conversions Part 2

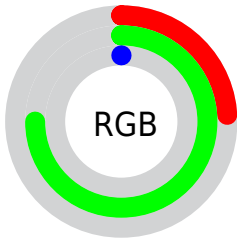
Format	Color
RYB	0, 191, 131
Decimal	3981056
CIELab	68.18, -63.05, 67.79
CIELCh	68, 92.575, 132.923
Yxy	38.2223, 0.3152, 0.5879
Android (android.graphics.Color)	4282171136 (0xFF3CBF00)
YUV	130.0570, -64.1181, -61.4400
Hunter-Lab	61.8242, -49.0253, 37.2352

Details

The Yxy color **38.2223, 0.3152, 0.5879** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **8.6017, 0.2429, 0.1112**, and the grayscale version is **22.5811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7515, 0.3233, 0.5358**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.2215, 0.3152, 0.5880**, and if you desaturate by 10%, it is **38.7312, 0.3200, 0.5763**.

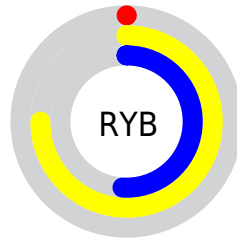
Distribution



Red (24%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (51%)

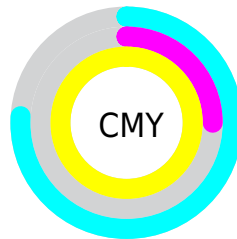


Cyan (69%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (76%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2223, 0.3152, 0.5879 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 Yxy color 38.2223, 0.3152, 0.5879 by changing the saturation by 10% instead.


 38.2223, 0.3152,
0.5879


 38.2223, 0.3152,
0.5879


338.5726, 0.3267,
0.4472


 26.1553, 0.3065,
0.6231


 72.4487, 0.3235,
0.5358


 16.9398, 0.2915,
0.6663

 95.3769, 0.3253,
0.5163


 10.1916, 0.2700,
0.7300


 122.6943, 0.3263,
0.5000

 5.5262, 0.2215,
0.7785

 154.7852, 0.3268,
0.4861

 2.5592, 0.1276,
0.8724

 192.0342, 0.3270,
0.4743

 0.9062, 0.0000,
1.0000

 234.8254, 0.3271,

 0.0000, 0.0000,

0.4640

0.0000

283.5434, 0.3269,
0.4551

■ 38.2223, 0.3152,
0.5879

■ 38.2223, 0.3152,
0.5879

■ 38.2215, 0.3152,
0.5880

■ 38.7312, 0.3200,
0.5763

■ 39.3933, 0.3240,
0.5588

■ 40.2330, 0.3266,
0.5351

■ 41.2646, 0.3277,
0.5067

■ 42.5007, 0.3273,
0.4754

■ 43.9525, 0.3257,
0.4432

■ 45.6307, 0.3231,
0.4116

■ 47.5449, 0.3200,
0.3816

■ 49.7042, 0.3164,
0.3540

Harmonies

Analogous

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



38.2223, 0.4294, 0.5388



38.2223, 0.3152, 0.5879



38.2223, 0.2059, 0.5012

Triad

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



38.2223, 0.3152, 0.5879



38.2223, 0.1196, 0.1589



38.2223, 0.5232, 0.2828

Complementary

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



38.2223, 0.3152, 0.5879



8.6017, 0.2429, 0.1112

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.



38.2223, 0.3932, 0.2150



38.2223, 0.3152, 0.5879



38.2223, 0.1659, 0.1478

Square

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



38.2223, 0.3152, 0.5879



38.2223, 0.1082, 0.2117



38.2223, 0.2572, 0.1674



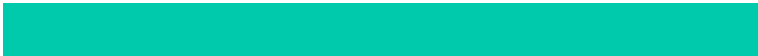
38.2223, 0.5703, 0.3589

Rectangle

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



38.2223, 0.3152, 0.5879



38.2223, 0.1518, 0.3858



38.2223, 0.2572, 0.1674



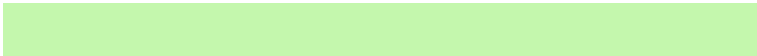
38.2223, 0.4860, 0.2588

Sweetspot

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



38.2239, 0.3152, 0.5879



81.5494, 0.3233, 0.4133



27.1904, 0.4889, 0.4500



17.6167, 0.3245, 0.4266



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.2239, 0.3152, 0.5879



68.3366, 0.3142, 0.5887



37.3870, 0.2953, 0.5829



10.7908, 0.3162, 0.3524



25.1550, 0.3161, 0.5873



1.0211, 0.3357, 0.5716

Inverse Universe

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



8.6017, 0.2429, 0.1112



15.2608, 0.2417, 0.1105



13.4800, 0.3736, 0.1832



9.5422, 0.3089, 0.3060



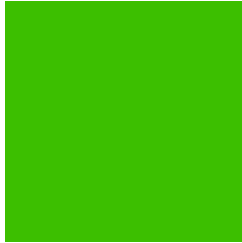
5.6937, 0.2439, 0.1117



0.2563, 0.2630, 0.1222

Previews

White Background



This preview shows how the Yxy color 38.2223, 0.3152, 0.5879 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 Yxy color 38.2223, 0.3152, 0.5879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

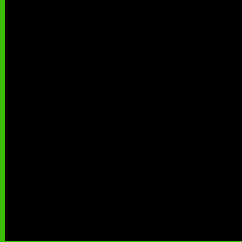
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2223, 0.3152, 0.5879

Background



This preview shows how black text looks on a background with the Yxy color 38.2223, 0.3152, 0.5879.



This preview shows how white text looks on a background with the Yxy color 38.2223, 0.3152, 0.5879.

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

38.2223, 0.3152, 0.5879

Protanopia

37.3494, 0.4407, 0.4883

Deuteranopia

37.2024, 0.4609, 0.4509



Tritanopia

38.1879, 0.2445, 0.3075

Trichromacy



Original Color

38.2223, 0.3152, 0.5879



Protanomaly

35.8476, 0.3853, 0.5323



Deuteranomaly

35.3205, 0.3994, 0.5093



Tritanomaly

37.1569, 0.2817, 0.4342

Monochromacy



Original Color

38.2223, 0.3152, 0.5879



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

26.0843, 0.3269, 0.4581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2223, 0.3152, 0.5879 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(60, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(60, 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(60, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.2223, 0.3152, 0.5879 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(60, 191, 0) }
```

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

```
.border{ border-color:rgb(60, 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(60, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(60, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 38.2223, 0.3152, 0.5879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 191, 0) }
```

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

```
.background{ background-color: rgb(60, 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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