

Converting Colors

$Y_{xy}(38.1510, 0.3124, 0.5901)$

Have a look what the booklet for
Yxy(38.1510, 0.3124, 0.5901)
contains.

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Color

Yxy(38.0459, 0.3125, 0.5900)

Conversions

Conversions Part 1

Format	Color
Hex	36BF00
RGB	54, 191, 0
RGB Percent	21%, 75%, 0%
CMY	0.7884, 0.2510, 0.9991
CMYK	0.72, 0.00, 1.00, 0.25
HSL	103°, 100%, 37%
HSV	103°, 100%, 75%
XYZ	20.1514, 38.0459, 6.2872
YIQ	128.2630, -20.3410, -88.4450

Conversions

Conversions Part 2

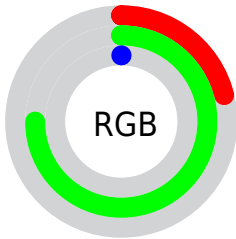
Format	Color
RYB	0, 191, 137
Decimal	3587840
CIELab	68.05, -64.16, 67.62
CIELCh	68, 93.213, 133.497
Yxy	38.0459, 0.3125, 0.5900
Android (android.graphics.Color)	4281777920 (0xFF36BF00)
YUV	128.2630, -63.2337, -65.1287
Hunter-Lab	61.6814, -49.6261, 37.1335

Details

The Yxy color **38.0459, 0.3125, 0.5900** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **9.1074, 0.2506, 0.1155**, and the grayscale version is **21.9178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4535, 0.3212, 0.5372**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.0426, 0.3125, 0.5901**, and if you desaturate by 10%, it is **38.5295, 0.3170, 0.5785**.

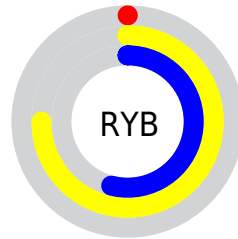
Distribution



Red (21%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (54%)

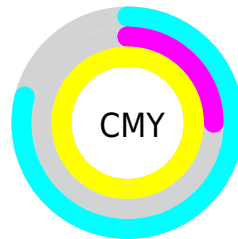


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (79%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0459, 0.3125, 0.5900 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 38.0459, 0.3125, 0.5900 by changing the saturation by 10% instead.

 38.0459, 0.3125,
0.5900


 38.0459, 0.3125,
0.5900


337.8168, 0.3255,
0.4478


 26.0183, 0.3034,
0.6257

 72.1785, 0.3213,
0.5372


 16.8373, 0.2879,
0.6696


 95.0523, 0.3233,
0.5175

 10.1186, 0.2656,
0.7344


 122.3103, 0.3245,
0.5010

 5.4777, 0.2162,
0.7838

 154.3368, 0.3252,
0.4870

 2.5302, 0.1165,
0.8835

 191.5164, 0.3255,
0.4751

 0.8917, 0.0000,
1.0000

 234.2333, 0.3257,

 0.0000, 0.0000,

0.4647

0.0000

282.8720, 0.3256,
0.4557

■ 38.0459, 0.3125,
0.5900

■ 38.0459, 0.3125,
0.5900

■ 38.0426, 0.3125,
0.5901

■ 38.5295, 0.3170,
0.5785

■ 39.1736, 0.3210,
0.5609

■ 40.0039, 0.3237,
0.5369

■ 41.0355, 0.3249,
0.5081

■ 42.2820, 0.3249,
0.4764

■ 43.7555, 0.3237,
0.4438

■ 45.4672, 0.3216,
0.4118

■ 47.4276, 0.3189,
0.3816

■ 49.6465, 0.3159,
0.3538

Harmonies

Analogous

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



38.0459, 0.4275, 0.5416



38.0459, 0.3125, 0.5900



38.0459, 0.2031, 0.4998

Triad

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



38.0459, 0.3125, 0.5900



38.0459, 0.1191, 0.1573



38.0459, 0.5268, 0.2836

Complementary

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



38.0459, 0.3125, 0.5900



9.1074, 0.2506, 0.1155

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.



38.0459, 0.3966, 0.2154



38.0459, 0.3125, 0.5900



38.0459, 0.1663, 0.1469

Square

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



38.0459, 0.3125, 0.5900



38.0459, 0.1070, 0.2092



38.0459, 0.2590, 0.1671



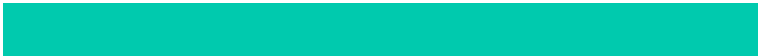
38.0459, 0.5720, 0.3602

Rectangle

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



38.0459, 0.3125, 0.5900



38.0459, 0.1494, 0.3828



38.0459, 0.2590, 0.1671



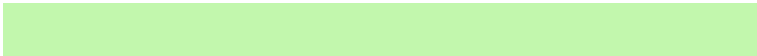
38.0459, 0.4898, 0.2596

Sweetspot

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



38.0475, 0.3125, 0.5900



81.2341, 0.3218, 0.4137



28.9545, 0.4801, 0.4569



17.5416, 0.3227, 0.4272



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.



38.0475, 0.3125, 0.5900



68.0258, 0.3115, 0.5908



37.4293, 0.2937, 0.5772



10.7762, 0.3157, 0.3524



25.0352, 0.3133, 0.5895



1.0148, 0.3324, 0.5742

Inverse Universe

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



9.1074, 0.2506, 0.1155



16.1639, 0.2494, 0.1148



13.2732, 0.3847, 0.1894



9.5576, 0.3094, 0.3061



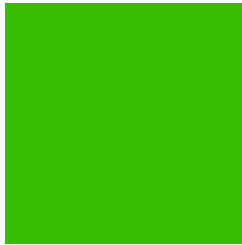
6.0205, 0.2515, 0.1159



0.2672, 0.2688, 0.1254

Previews

White Background



This preview shows how the Yxy color 38.0459, 0.3125, 0.5900 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 38.0459, 0.3125, 0.5900 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 38.0459, 0.3125, 0.5900

Background



This preview shows how black text looks on a background with the Yxy color 38.0459, 0.3125, 0.5900.



This preview shows how white text looks on a background with the Yxy color 38.0459, 0.3125, 0.5900.

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

38.0459, 0.3125, 0.5900

Protanopia

37.3494, 0.4407, 0.4883

Deuteranopia

37.2024, 0.4609, 0.4509



Tritanopia

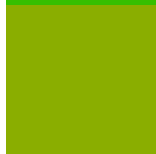
38.0262, 0.2429, 0.3074

Trichromacy



Original Color

38.0459, 0.3125, 0.5900



Protanomaly

35.6754, 0.3833, 0.5338



Deuteranomaly

35.0298, 0.3963, 0.5116



Tritanomaly

36.9344, 0.2788, 0.4350

Monochromacy



Original Color

38.0459, 0.3125, 0.5900



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.5091, 0.3240, 0.4602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0459, 0.3125, 0.5900 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(54, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(54, 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(54, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.0459, 0.3125, 0.5900 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(54, 191, 0) }
```

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

```
.border{ border-color:rgb(54, 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(54, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(54, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 38.0459, 0.3125, 0.5900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 191, 0) }
```

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

```
.background{ background-color: rgb(54, 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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