

Converting Colors

$Yxy(38.9244, 0.3239, 0.5810)$

Have a look what the booklet for
Yxy(38.9244, 0.3239, 0.5810)
contains.

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Color

Yxy(38.7981, 0.3237, 0.5812)

Conversions

Conversions Part 1

Format	Color
Hex	4CBF00
RGB	76, 191, 0
RGB Percent	30%, 75%, 0%
CMY	0.7021, 0.2509, 1.0000
CMYK	0.60, 0.00, 1.00, 0.25
HSL	96°, 100%, 37%
HSV	96°, 100%, 75%
XYZ	21.6086, 38.7981, 6.3484
YIQ	134.8410, -7.2290, -83.7810

Conversions

Conversions Part 2

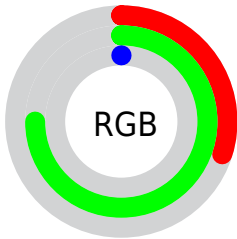
Format	Color
RYB	0, 191, 115
Decimal	5029632
CIELab	68.60, -59.51, 68.32
CIELCh	69, 90.603, 131.059
Yxy	38.7981, 0.3237, 0.5812
Android (android.graphics.Color)	4283219712 (0xFF4CBF00)
YUV	134.8410, -66.4766, -51.6036
Hunter-Lab	62.2881, -47.0800, 37.5588

Details

The Yxy color **38.7981, 0.3237, 0.5812** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **7.4101, 0.2235, 0.1005**, and the grayscale version is **24.4167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1026, 0.3302, 0.5310**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.7998, 0.3237, 0.5812**, and if you desaturate by 10%, it is **39.3610, 0.3288, 0.5696**.

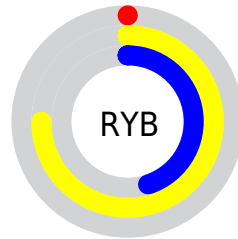
Distribution



Red (30%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (45%)

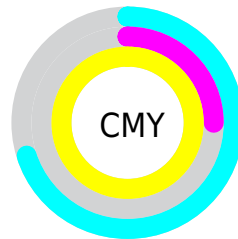


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (70%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7981, 0.3237, 0.5812 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 38.7981, 0.3237, 0.5812 by changing the saturation by 10% instead.


 38.7981, 0.3237,
0.5812


 38.7981, 0.3237,
0.5812


341.0313, 0.3306,
0.4454

 26.6027, 0.3162,
0.6148


 73.3298, 0.3302,
0.5312

 17.2751, 0.3030,
0.6557


 96.4349, 0.3314,
0.5124

 10.4308, 0.2839,
0.7161


 123.9453, 0.3319,
0.4966

 5.6855, 0.2383,
0.7617

 156.2454, 0.3319,
0.4832

 2.6548, 0.1598,
0.8402

 193.7197, 0.3318,
0.4717

 0.9543, 0.0000,
1.0000

 236.7525, 0.3315,

 0.0000, 0.0000,

0.4617

0.0000

285.7283, 0.3311,
0.4530

■ 38.7981, 0.3237,
0.5812

■ 38.7981, 0.3237,
0.5812

■ 38.7998, 0.3237,
0.5812

■ 39.3610, 0.3288,
0.5696

■ 40.0571, 0.3328,
0.5525

■ 40.9089, 0.3350,
0.5298

■ 41.9284, 0.3353,
0.5025

■ 43.1264, 0.3339,
0.4726

■ 44.5124, 0.3311,
0.4415

■ 46.0952, 0.3272,
0.4107

■ 47.8831, 0.3227,
0.3814

■ 49.8837, 0.3178,
0.3540

Harmonies

Analogous

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



38.7981, 0.4353, 0.5303



38.7981, 0.3237, 0.5812



38.7981, 0.2150, 0.5051

Triad

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



38.7981, 0.3237, 0.5812



38.7981, 0.1212, 0.1641



38.7981, 0.5119, 0.2799

Complementary

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



38.7981, 0.3237, 0.5812



7.4101, 0.2235, 0.1005

Split Complementary

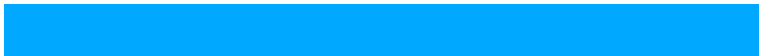
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.7981, 0.3826, 0.2137



38.7981, 0.3237, 0.5812



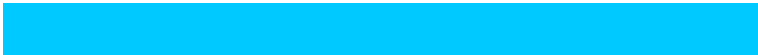
38.7981, 0.1648, 0.1508

Square

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



38.7981, 0.3237, 0.5812



38.7981, 0.1121, 0.2198



38.7981, 0.2517, 0.1683



38.7981, 0.5648, 0.3550

Rectangle

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



38.7981, 0.3237, 0.5812



38.7981, 0.1595, 0.3952



38.7981, 0.2517, 0.1683



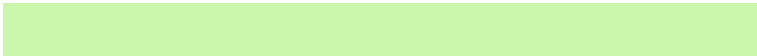
38.7981, 0.4741, 0.2563

Sweetspot

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



38.7998, 0.3237, 0.5812



82.4066, 0.3274, 0.4122



23.2489, 0.5120, 0.4317



17.8220, 0.3291, 0.4252



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.



38.7998, 0.3237, 0.5812



69.3528, 0.3226, 0.5820



37.3124, 0.2981, 0.5932



10.8297, 0.3174, 0.3523



25.5404, 0.3247, 0.5804



1.0386, 0.3445, 0.5647

Inverse Universe

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



7.4101, 0.2235, 0.1005



13.1252, 0.2221, 0.0997



14.0524, 0.3479, 0.1690



9.5018, 0.3076, 0.3059



4.9172, 0.2247, 0.1012



0.2296, 0.2478, 0.1139

Previews

White Background



This preview shows how the Yxy color 38.7981, 0.3237, 0.5812 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 38.7981, 0.3237, 0.5812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

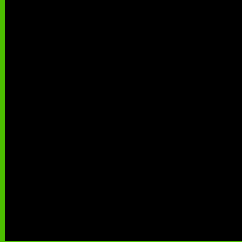
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7981, 0.3237, 0.5812

Background



This preview shows how black text looks on a background with the Yxy color 38.7981, 0.3237, 0.5812.



This preview shows how white text looks on a background with the Yxy color 38.7981, 0.3237, 0.5812.

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

38.7981, 0.3237, 0.5812

Protanopia

38.2022, 0.4395, 0.4893

Deuteranopia

38.1622, 0.4610, 0.4522



Tritanopia

38.7724, 0.2501, 0.3078

Trichromacy



Original Color

38.7981, 0.3237, 0.5812



Protanomaly

37.2537, 0.3906, 0.5280



Deuteranomaly

36.3967, 0.4060, 0.5052



Tritanomaly

37.7589, 0.2891, 0.4320

Monochromacy



Original Color

38.7981, 0.3237, 0.5812



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.6920, 0.3329, 0.4532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7981, 0.3237, 0.5812 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(76, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.7981, 0.3237, 0.5812 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(76, 191, 0) }
```

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

```
.border{ border-color:rgb(76, 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(76, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(76, 191, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 38.7981, 0.3237, 0.5812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 191, 0) }
```

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

```
.background{ background-color: rgb(76, 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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