

Converting Colors

$Y_{xy}(38.7994, 0.3048, 0.5962)$

Have a look what the booklet for
Yxy(38.7994, 0.3048, 0.5962)
contains.

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Color

Yxy(38.8906, 0.3049, 0.5961)

Conversions

Conversions Part 1

Format	Color
Hex	20C200
RGB	32, 194, 0
RGB Percent	13%, 76%, 0%
CMY	0.8737, 0.2392, 0.9998
CMYK	0.83, 0.00, 1.00, 0.24
HSL	110°, 100%, 38%
HSV	110°, 100%, 76%
XYZ	19.8922, 38.8906, 6.4589
YIQ	123.4460, -34.2780, -94.6780

Conversions

Conversions Part 2

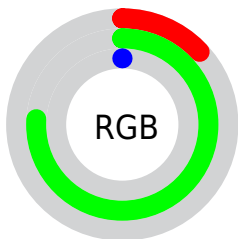
Format	Color
RYB	0, 194, 162
Decimal	2146816
CIELab	68.67, -68.11, 67.99
CIELCh	69, 96.231, 135.050
Yxy	38.8906, 0.3049, 0.5961
Android (android.graphics.Color)	4280336896 (0xFF20C200)
YUV	123.4460, -60.8589, -80.1981
Hunter-Lab	62.3623, -52.1965, 37.5129

Details

The Yxy color **38.8906, 0.3049, 0.5961** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **11.5606, 0.2792, 0.1312**, and the grayscale version is **20.1989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5648, 0.3153, 0.5422**, and **18.4652, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.8915, 0.3049, 0.5961**, and if you desaturate by 10%, it is **39.2681, 0.3080, 0.5857**.

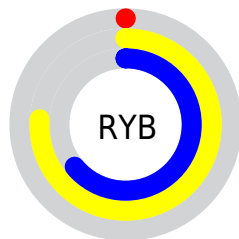
Distribution



Red (13%)

Green (76%)

Blue (0%)



Red (0%)

Yellow (76%)

Blue (64%)

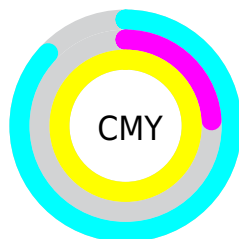


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (87%)


Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8906, 0.3049, 0.5961 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 38.8906, 0.3049, 0.5961 by changing the saturation by 10% instead.


 38.8906, 0.3049,
0.5961


 38.8906, 0.3049,
0.5961


341.4251, 0.3221,
0.4503


 26.6746, 0.2948,
0.6328


 73.4712, 0.3152,
0.5419


 17.3290, 0.2781,
0.6780


 96.6045, 0.3178,
0.5217


 10.4693, 0.2546,
0.7454


 124.1459, 0.3195,
0.5048

 5.7112, 0.2042,
0.7958

 156.4795, 0.3206,
0.4905

 2.6703, 0.1016,
0.8984

 193.9898, 0.3213,
0.4782

 0.9621, 0.0000,
1.0000

 237.0613, 0.3217,

 0.0000, 0.0000,

0.4677

0.0000

286.0783, 0.3220,
0.4584

■ 38.8906, 0.3049,
0.5961

■ 38.8906, 0.3049,
0.5961

■ 38.8915, 0.3049,
0.5961

■ 39.2681, 0.3080,
0.5857

■ 39.8364, 0.3111,
0.5684

■ 40.6282, 0.3137,
0.5439

■ 41.6646, 0.3155,
0.5139

■ 42.9643, 0.3164,
0.4808

■ 44.5439, 0.3166,
0.4468

■ 46.4188, 0.3162,
0.4136

■ 48.6032, 0.3153,
0.3825

■ 51.1103, 0.3141,
0.3542

Harmonies

Analogous

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



38.8906, 0.4220, 0.5493



38.8906, 0.3049, 0.5961



38.8906, 0.1952, 0.4961

Triad

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



38.8906, 0.3049, 0.5961



38.8906, 0.1176, 0.1528



38.8906, 0.5368, 0.2860

Complementary

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



38.8906, 0.3049, 0.5961



11.5606, 0.2792, 0.1312

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.



38.8906, 0.4063, 0.2164



38.8906, 0.3049, 0.5961



38.8906, 0.1672, 0.1443

Square

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



38.8906, 0.3049, 0.5961



38.8906, 0.1035, 0.2022



38.8906, 0.2639, 0.1662



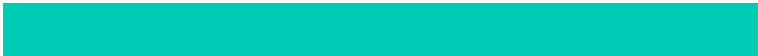
38.8906, 0.5766, 0.3634

Rectangle

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



38.8906, 0.3049, 0.5961



38.8906, 0.1427, 0.3744



38.8906, 0.2639, 0.1662



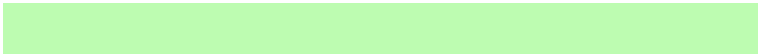
38.8906, 0.5004, 0.2615

Sweetspot

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



38.8922, 0.3049, 0.5961



83.9203, 0.3162, 0.4152



37.1938, 0.4523, 0.4791



18.0456, 0.3165, 0.4293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



38.8922, 0.3049, 0.5961



70.3930, 0.3043, 0.5966



38.9602, 0.2866, 0.5518



11.3373, 0.3140, 0.3526



25.5956, 0.3055, 0.5957



1.1315, 0.3189, 0.5850

Inverse Universe

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



11.5606, 0.2792, 0.1312



20.8461, 0.2785, 0.1308



13.0640, 0.4278, 0.2130



10.1603, 0.3112, 0.3061



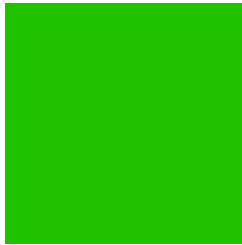
7.6305, 0.2797, 0.1315



0.3527, 0.2895, 0.1368

Previews

White Background



This preview shows how the Yxy color 38.8906, 0.3049, 0.5961 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 38.8906, 0.3049, 0.5961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

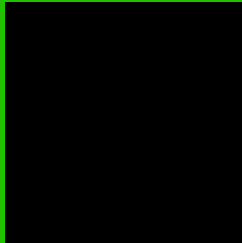
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8906, 0.3049, 0.5961

Background



This preview shows how black text looks on a background with the Yxy color 38.8906, 0.3049, 0.5961.



This preview shows how white text looks on a background with the Yxy color 38.8906, 0.3049, 0.5961.

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

38.8906, 0.3049, 0.5961

Protanopia

38.2022, 0.4395, 0.4893

Deuteranopia

38.1762, 0.4602, 0.4511



Tritanopia

38.5611, 0.2381, 0.3059

Trichromacy



Original Color

38.8906, 0.3049, 0.5961



Protanomaly

36.2696, 0.3742, 0.5411



Deuteranomaly

35.2247, 0.3882, 0.5172



Tritanomaly

37.3114, 0.2715, 0.4359

Monochromacy



Original Color

38.8906, 0.3049, 0.5961



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.2836, 0.3170, 0.4672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8906, 0.3049, 0.5961 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(32, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(32, 194, 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(32, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 194, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.8906, 0.3049, 0.5961 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(32, 194, 0) }
```

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

```
.border{ border-color:rgb(32, 194, 0) }
```

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

Here you see how a box with a 4 pixel rgb(32, 194, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(32, 194, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 38.8906, 0.3049, 0.5961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 194, 0) }
```

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

```
.background{ background-color: rgb(32, 194,  
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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