

Converting Colors

$Y_{xy}(40.2226, 0.3089, 0.5929)$

Have a look what the booklet for
Yxy(40.2226, 0.3089, 0.5929)
contains.

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Color

Yxy(40.0607, 0.3089, 0.5930)

Conversions

Conversions Part 1

Format	Color
Hex	2EC400
RGB	46, 196, 0
RGB Percent	18%, 77%, 0%
CMY	0.8193, 0.2314, 1.0000
CMYK	0.76, 0.00, 1.00, 0.23
HSL	106°, 100%, 38%
HSV	106°, 100%, 77%
XYZ	20.8680, 40.0607, 6.6272
YIQ	128.8060, -26.4840, -92.7560

Conversions

Conversions Part 2

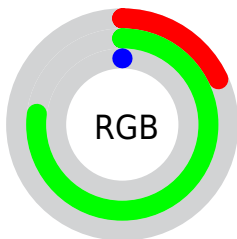
Format	Color
RYB	0, 196, 150
Decimal	3064832
CIELab	69.51, -66.95, 68.76
CIELCh	70, 95.974, 134.235
Yxy	40.0607, 0.3089, 0.5930
Android (android.graphics.Color)	4281254912 (0xFF2EC400)
YUV	128.8060, -63.5014, -72.6209
Hunter-Lab	63.2935, -51.9117, 38.0974

Details

The Yxy color **40.0607, 0.3089, 0.5930** 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 **10.4634, 0.2618, 0.1216**, and the grayscale version is **22.1227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3144, 0.3181, 0.5400**, and **19.0498, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **40.0627, 0.3089, 0.5929**, and if you desaturate by 10%, it is **40.5234, 0.3130, 0.5820**.

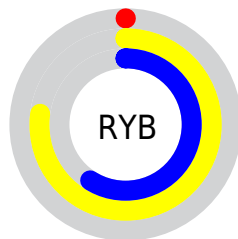
Distribution



Red (18%)

Green (77%)

Blue (0%)



Red (0%)

Yellow (77%)

Blue (59%)

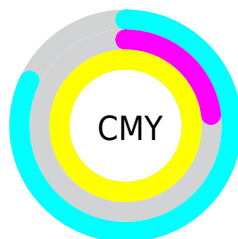


Cyan (76%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (82%)


Magenta (23%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0607, 0.3089, 0.5930 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 40.0607, 0.3089, 0.5930 by changing the saturation by 10% instead.


 40.0607, 0.3089,
0.5930


 40.0607, 0.3089,
0.5930


346.3793, 0.3239,
0.4500

 27.5859, 0.2994,
0.6287


 75.2559, 0.3184,
0.5401


 18.0137, 0.2838,
0.6724


 98.7451, 0.3207,
0.5203


 10.9598, 0.2620,
0.7380


 126.6746, 0.3221,
0.5037

 6.0398, 0.2136,
0.7864

 159.4287, 0.3230,
0.4896

 2.8693, 0.1274,
0.8726

 197.3918, 0.3235,
0.4776

 1.0639, 0.0000,
1.0000

 240.9484, 0.3238,

 0.0000, 0.0000,

0.4671

0.0000

290.4827, 0.3239,
0.4580

■ 40.0607, 0.3089,
0.5930

■ 40.0607, 0.3089,
0.5930

■ 40.0627, 0.3089,
0.5929

■ 40.5234, 0.3130,
0.5820

■ 41.1669, 0.3167,
0.5645

■ 42.0206, 0.3194,
0.5403

■ 43.1028, 0.3210,
0.5110

■ 44.4296, 0.3214,
0.4786

■ 46.0154, 0.3208,
0.4454

■ 47.8736, 0.3194,
0.4129

■ 50.0164, 0.3175,
0.3823

■ 52.4555, 0.3152,
0.3542

Harmonies

Analogous

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



40.0607, 0.4249, 0.5452



40.0607, 0.3089, 0.5930



40.0607, 0.1993, 0.4982

Triad

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



40.0607, 0.3089, 0.5930



40.0607, 0.1183, 0.1551



40.0607, 0.5316, 0.2847

Complementary

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



40.0607, 0.3089, 0.5930



10.4634, 0.2618, 0.1216

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.



40.0607, 0.4012, 0.2158



40.0607, 0.3089, 0.5930



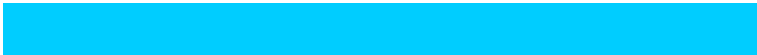
40.0607, 0.1667, 0.1456

Square

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



40.0607, 0.3089, 0.5930



40.0607, 0.1053, 0.2058



40.0607, 0.2613, 0.1666



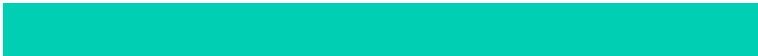
40.0607, 0.5743, 0.3617

Rectangle

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



40.0607, 0.3089, 0.5930



40.0607, 0.1461, 0.3789



40.0607, 0.2613, 0.1666



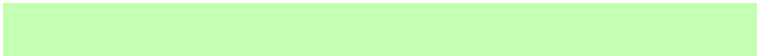
40.0607, 0.4949, 0.2605

Sweetspot

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



40.0627, 0.3089, 0.5929



86.5547, 0.3195, 0.4144



32.6036, 0.4719, 0.4635



18.2067, 0.3202, 0.4282



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.



40.0627, 0.3089, 0.5929



72.4786, 0.3081, 0.5936



39.7021, 0.2920, 0.5713



11.3705, 0.3150, 0.3525



25.7751, 0.3097, 0.5923



1.1463, 0.3262, 0.5792

Inverse Universe

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



10.4634, 0.2618, 0.1216



18.8311, 0.2609, 0.1211



13.8425, 0.3966, 0.1959



10.1244, 0.3101, 0.3060



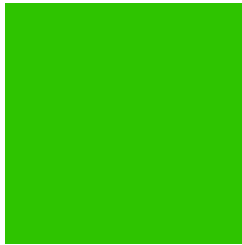
6.7639, 0.2627, 0.1221



0.3219, 0.2763, 0.1296

Previews

White Background



This preview shows how the Yxy color 40.0607, 0.3089, 0.5930 looks on a white background.

Color Contrast Check

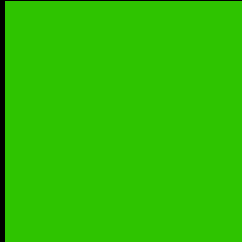
Large Text (above 18pt) WCAG AA × Fail

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 40.0607, 0.3089, 0.5930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

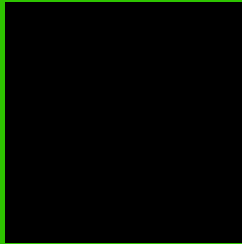
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0607, 0.3089, 0.5930

Background



This preview shows how black text looks on a background with the Yxy color 40.0607, 0.3089, 0.5930.



This preview shows how white text looks on a background with the Yxy color 40.0607, 0.3089, 0.5930.

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

40.0607, 0.3089, 0.5930

Protanopia

39.3231, 0.4402, 0.4887

Deuteranopia

39.3058, 0.4608, 0.4512



Tritanopia

39.7624, 0.2405, 0.3063

Trichromacy



Original Color

40.0607, 0.3089, 0.5930



Protanomaly

37.6435, 0.3794, 0.5369



Deuteranomaly

36.6417, 0.3936, 0.5135



Tritanomaly

38.5172, 0.2756, 0.4355

Monochromacy



Original Color

40.0607, 0.3089, 0.5930



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.0443, 0.3216, 0.4637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0607, 0.3089, 0.5930 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(46, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 196, 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(46, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 196, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.0607, 0.3089, 0.5930 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(46, 196, 0) }
```

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

```
.border{ border-color:rgb(46, 196, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 196, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.0607, 0.3089, 0.5930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 196, 0) }
```

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

```
.background{ background-color: rgb(46, 196,  
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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