

Converting Colors

$Y_{xy}(35.6097, 0.3074, 0.5941)$

Have a look what the booklet for
Yxy(35.6097, 0.3074, 0.5941)
contains.

Yxy(35.5491, 0.3074, 0.5941)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.5491, 0.3074, 0.5941)

Conversions

Conversions Part 1

Format	Color
Hex	27BA00
RGB	39, 186, 0
RGB Percent	15%, 73%, 0%
CMY	0.8473, 0.2706, 0.9997
CMYK	0.79, 0.00, 1.00, 0.27
HSL	107°, 100%, 36%
HSV	107°, 100%, 73%
XYZ	18.3939, 35.5491, 5.8939
YIQ	120.8430, -27.9060, -89.0100

Conversions

Conversions Part 2

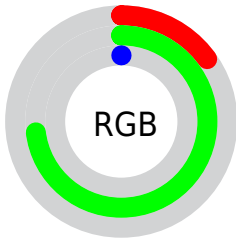
Format	Color
RYB	0, 186, 147
Decimal	2603520
CIELab	66.17, -64.99, 66.02
CIElCh	66, 92.641, 134.547
Yxy	35.5491, 0.3074, 0.5941
Android (android.graphics.Color)	4280793600 (0xFF27BA00)
YUV	120.8430, -59.5756, -71.7763
Hunter-Lab	59.6231, -49.2727, 35.8751

Details

The Yxy color **35.5491, 0.3074, 0.5941** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **9.7647, 0.2685, 0.1253**, and the grayscale version is **19.2670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0818, 0.3175, 0.5395**, and **16.2326, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **35.5492, 0.3074, 0.5941**, and if you desaturate by 10%, it is **35.9408, 0.3111, 0.5830**.

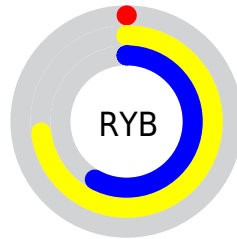
Distribution



Red (15%)

Green (73%)

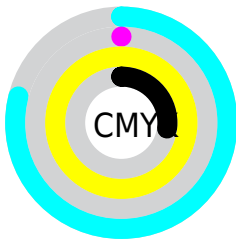
Blue (0%)



Red (0%)

Yellow (73%)

Blue (58%)

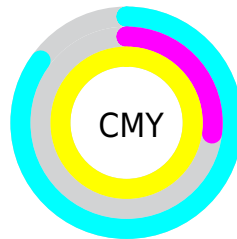


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (85%)


Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5491, 0.3074, 0.5941 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 35.5491, 0.3074, 0.5941 by changing the saturation by 10% instead.


 35.5491, 0.3074,
0.5941


 35.5491, 0.3074,
0.5941


326.9854, 0.3232,
0.4476


 24.0862, 0.2972,
0.6316


 68.3355, 0.3174,
0.5391

 15.3975, 0.2801,
0.6780


 90.4278, 0.3198,
0.5188


 9.0989, 0.2547,
0.7453


 116.8320, 0.3213,
0.5019

 4.8057, 0.2013,
0.7987

 147.9325, 0.3222,
0.4876

 2.1337, 0.0513,
0.9487

 184.1137, 0.3228,
0.4753

 0.6835, 0.0000,
1.0000

 225.7600, 0.3231,

 0.0000, 0.0000,

0.4648

0.0000

273.2558, 0.3232,
0.4557

■ 35.5491, 0.3074,
0.5941

■ 35.5491, 0.3074,
0.5941

■ 35.5492, 0.3074,
0.5941

■ 35.9408, 0.3111,
0.5830

■ 36.4976, 0.3146,
0.5654

■ 37.2471, 0.3173,
0.5409

■ 38.2061, 0.3189,
0.5114

■ 39.3898, 0.3195,
0.4788

■ 40.8117, 0.3192,
0.4454

■ 42.4841, 0.3182,
0.4128

■ 44.4187, 0.3167,
0.3821

■ 46.6263, 0.3148,
0.3541

Harmonies

Analogous

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



35.5491, 0.4238, 0.5467



35.5491, 0.3074, 0.5941



35.5491, 0.1978, 0.4973

Triad

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



35.5491, 0.3074, 0.5941



35.5491, 0.1180, 0.1543



35.5491, 0.5335, 0.2852

Complementary

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



35.5491, 0.3074, 0.5941



9.7647, 0.2685, 0.1253

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.



35.5491, 0.4031, 0.2160



35.5491, 0.3074, 0.5941



35.5491, 0.1669, 0.1451

Square

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



35.5491, 0.3074, 0.5941



35.5491, 0.1046, 0.2044



35.5491, 0.2623, 0.1665



35.5491, 0.5751, 0.3623

Rectangle

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



35.5491, 0.3074, 0.5941



35.5491, 0.1449, 0.3772



35.5491, 0.2623, 0.1665



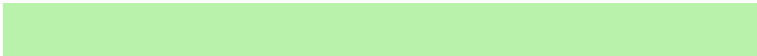
35.5491, 0.4969, 0.2609

Sweetspot

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



35.5506, 0.3074, 0.5941



76.8239, 0.3183, 0.4145



30.9123, 0.4636, 0.4701



16.6249, 0.3188, 0.4281



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



35.5506, 0.3074, 0.5941



64.3471, 0.3066, 0.5948



35.3758, 0.2899, 0.5635



10.1481, 0.3146, 0.3524



23.9414, 0.3081, 0.5936



0.8707, 0.3259, 0.5794

Inverse Universe

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



9.7647, 0.2685, 0.1253



17.5843, 0.2676, 0.1248



12.1441, 0.4084, 0.2024



9.0655, 0.3105, 0.3062



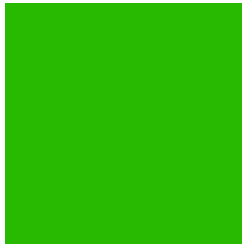
6.5995, 0.2692, 0.1257



0.2568, 0.2833, 0.1334

Previews

White Background



This preview shows how the Yxy color 35.5491, 0.3074, 0.5941 looks on a white background.

Color Contrast Check

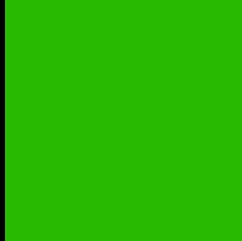
Large Text (above 18pt) WCAG AA × Fail

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 35.5491, 0.3074, 0.5941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

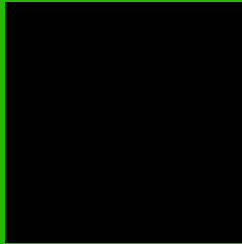
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5491, 0.3074, 0.5941

Background



This preview shows how black text looks on a background with the Yxy color 35.5491, 0.3074, 0.5941.



This preview shows how white text looks on a background with the Yxy color 35.5491, 0.3074, 0.5941.

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

35.5491, 0.3074, 0.5941

Protanopia

34.8449, 0.4402, 0.4886

Deuteranopia

34.7039, 0.4611, 0.4503



Tritanopia

35.4063, 0.2396, 0.3067

Trichromacy



Original Color

35.5491, 0.3074, 0.5941



Protanomaly

33.0431, 0.3783, 0.5378



Deuteranomaly

32.3719, 0.3915, 0.5151



Tritanomaly

34.4016, 0.2739, 0.4355

Monochromacy



Original Color

35.5491, 0.3074, 0.5941



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

23.0108, 0.3193, 0.4656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5491, 0.3074, 0.5941 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(39, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(39, 186, 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(39, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.5491, 0.3074, 0.5941 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(39, 186, 0) }
```

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

```
.border{ border-color:rgb(39, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(39, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(39, 186, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.5491, 0.3074, 0.5941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 186, 0) }
```

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

```
.background{ background-color: rgb(39, 186,  
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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