

Converting Colors

$Y_{xy}(49.1975, 0.3136, 0.5892)$

Have a look what the booklet for
Yxy(49.1975, 0.3136, 0.5892)
contains.

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Color

Yxy(49.1831, 0.3135, 0.5893)

Conversions

Conversions Part 1

Format	Color
Hex	40D600
RGB	64, 214, 0
RGB Percent	25%, 84%, 0%
CMY	0.7487, 0.1608, 1.0000
CMYK	0.70, 0.00, 1.00, 0.16
HSL	102°, 100%, 42%
HSV	102°, 100%, 84%
XYZ	26.1648, 49.1831, 8.1123
YIQ	144.7540, -20.7060, -98.3540

Conversions

Conversions Part 2

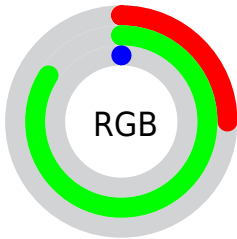
Format	Color
RYB	0, 214, 150
Decimal	4249088
CIELab	75.57, -69.42, 73.71
CIELCh	76, 101.255, 133.281
Yxy	49.1831, 0.3135, 0.5893
Android (android.graphics.Color)	4282439168 (0xFF40D600)
YUV	144.7540, -71.3637, -70.8213
Hunter-Lab	70.1307, -56.1328, 42.2331

Details

The Yxy color **49.1831, 0.3135, 0.5893** 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 **11.3307, 0.2457, 0.1127**, and the grayscale version is **28.5225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1466, 0.3244, 0.5321**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.1853, 0.3135, 0.5893**, and if you desaturate by 10%, it is **49.8136, 0.3183, 0.5784**.

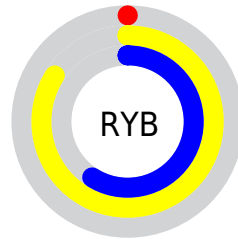
Distribution



Red (25%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (59%)

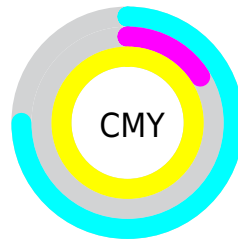


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (75%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1831, 0.3135, 0.5893 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 49.1831, 0.3135, 0.5893 by changing the saturation by 10% instead.

 49.1831, 0.3135,
0.5893


 49.1831, 0.3135,
0.5893


383.4627, 0.3261,
0.4533


 34.7647, 0.3054,
0.6217


 88.9633, 0.3217,
0.5403


 23.4817, 0.2923,
0.6608


 115.0940, 0.3237,
0.5216


 14.9496, 0.2723,
0.7116


 145.8976, 0.3249,
0.5057

 8.7840, 0.2361,
0.7639

 181.7584, 0.3256,
0.4922

 4.6006, 0.1793,
0.8207

 223.0610, 0.3260,
0.4804

 2.0149, 0.0000,
1.0000

 270.1896, 0.3262,

 0.6161, 0.0000,

0.4702

1.0000

323.5287, 0.3262,
0.4613

■ 0.0000, 0.0000,
0.0000

■ 49.1831, 0.3135,
0.5893

■ 49.1831, 0.3135,
0.5893

■ 49.1853, 0.3135,
0.5893

■ 49.8136, 0.3183,
0.5784

■ 50.6486, 0.3224,
0.5611

■ 51.7198, 0.3252,
0.5375

■ 53.0467, 0.3264,
0.5089

■ 54.6465, 0.3263,
0.4773

■ 56.5347, 0.3249,
0.4447

■ 58.7257, 0.3225,
0.4127

■ 61.2326, 0.3196,
0.3823

■ 64.0679, 0.3162,
0.3543

Harmonies

Analogous

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



49.1831, 0.4282, 0.5406



49.1831, 0.3135, 0.5893



49.1831, 0.2041, 0.5004

Triad

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



49.1831, 0.3135, 0.5893



49.1831, 0.1192, 0.1578



49.1831, 0.5255, 0.2833

Complementary

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



49.1831, 0.3135, 0.5893



11.3307, 0.2457, 0.1127

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.



49.1831, 0.3954, 0.2152



49.1831, 0.3135, 0.5893



49.1831, 0.1661, 0.1472

Square

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



49.1831, 0.3135, 0.5893



49.1831, 0.1074, 0.2101



49.1831, 0.2583, 0.1672



49.1831, 0.5714, 0.3597

Rectangle

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



49.1831, 0.3135, 0.5893



49.1831, 0.1502, 0.3840



49.1831, 0.2583, 0.1672



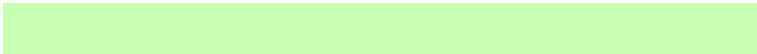
49.1831, 0.4884, 0.2593

Sweetspot

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



49.1853, 0.3135, 0.5893



87.2288, 0.3226, 0.4136



36.0445, 0.4852, 0.4530



18.3628, 0.3237, 0.4271



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.



49.1853, 0.3135, 0.5893



73.0715, 0.3129, 0.5898



48.2653, 0.2948, 0.5813



14.0744, 0.3160, 0.3528



29.7773, 0.3144, 0.5885



1.8387, 0.3277, 0.5780

Inverse Universe

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



11.3307, 0.2457, 0.1127



16.7603, 0.2450, 0.1123



17.2438, 0.3797, 0.1865



12.4374, 0.3090, 0.3057



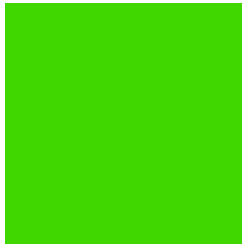
6.9052, 0.2468, 0.1133



0.4586, 0.2600, 0.1206

Previews

White Background



This preview shows how the Yxy color 49.1831, 0.3135, 0.5893 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 49.1831, 0.3135, 0.5893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

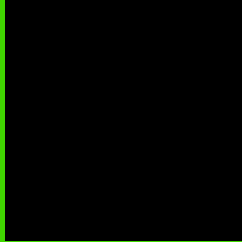
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

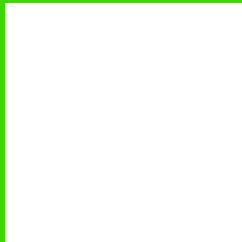
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1831, 0.3135, 0.5893

Background



This preview shows how black text looks on a background with the Yxy color 49.1831, 0.3135, 0.5893.



This preview shows how white text looks on a background with the Yxy color 49.1831, 0.3135, 0.5893.

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

49.1831, 0.3135, 0.5893

Protanopia

48.1078, 0.4404, 0.4886

Deuteranopia

48.0130, 0.4616, 0.4513



Tritanopia

48.8789, 0.2432, 0.3068

Trichromacy



Original Color

49.1831, 0.3135, 0.5893



Protanomaly

46.5478, 0.3835, 0.5337



Deuteranomaly

45.1418, 0.3985, 0.5108



Tritanomaly

47.2160, 0.2796, 0.4339

Monochromacy



Original Color

49.1831, 0.3135, 0.5893



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

33.2352, 0.3263, 0.4613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1831, 0.3135, 0.5893 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(64, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 214, 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(64, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 214, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.1831, 0.3135, 0.5893 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(64, 214, 0) }
```

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

```
.border{ border-color:rgb(64, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(64, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(64, 214, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 49.1831, 0.3135, 0.5893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 214, 0) }
```

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

```
.background{ background-color: rgb(64, 214,  
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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