

Converting Colors

$Y_{xy}(39.6473, 0.2728, 0.5451)$

Have a look what the booklet for
Yxy(39.6473, 0.2728, 0.5451)
contains.

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Color

Yxy(40.4405, 0.2831, 0.5391)

Conversions

Conversions Part 1

Format	Color
Hex	00C54B
RGB	0, 197, 75
RGB Percent	0%, 77%, 29%
CMY	0.9994, 0.2274, 0.7060
CMYK	1.00, 0.00, 0.62, 0.23
HSL	143°, 100%, 39%
HSV	143°, 100%, 77%
XYZ	21.2367, 40.4405, 13.3376
YIQ	124.1890, -78.2500, -79.7060

Conversions

Conversions Part 2

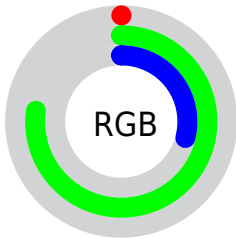
Format	Color
RYB	0, 143, 197
Decimal	50507
CIELab	69.78, -66.35, 48.57
CIELCh	70, 82.227, 143.792
Yxy	40.4405, 0.2831, 0.5391
Android (android.graphics.Color)	4278240587 (0xFF00C54B)
YUV	124.1890, -24.2502, -108.9138
Hunter-Lab	63.5928, -51.6778, 32.0798

Details

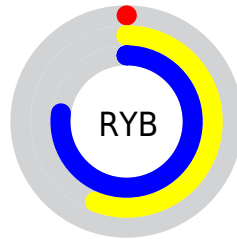
The Yxy color **40.4405, 0.2831, 0.5391** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **13.2832, 0.4465, 0.2234**, and the grayscale version is **20.3389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8452, 0.2932, 0.4939**, and **19.0968, 0.2964, 0.5870** is the 20% darker color. If you saturate the color by 10%, you get **40.4400, 0.2831, 0.5392**, and if you desaturate by 10%, it is **40.7718, 0.2799, 0.5193**.

Distribution



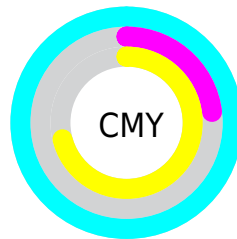
- Red (0%)
- Green (77%)
- Blue (29%)



- Red (0%)
- Yellow (56%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4405, 0.2831, 0.5391 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 40.4405, 0.2831, 0.5391 by changing the saturation by 10% instead.


 40.4405, 0.2831,
0.5391


 40.4405, 0.2831,
0.5391


347.9767, 0.3051,
0.4225

 27.8822, 0.2747,
0.5711


 75.8338, 0.2931,
0.4943


 18.2369, 0.2620,
0.6132


 99.4376, 0.2963,
0.4782

 11.1202, 0.2417,
0.6699


 127.4920, 0.2986,
0.4648

 6.1477, 0.2123,
0.7636

 160.3814, 0.3005,
0.4536

 2.9351, 0.1360,
0.8640

 198.4901, 0.3020,
0.4441

 1.0979, 0.0000,
1.0000

242.2027, 0.3032,

 0.0000, 0.0000,

0.4359

0.0000

291.9034, 0.3042,
0.4288

■ 40.4405, 0.2831,
0.5391

■ 40.4405, 0.2831,
0.5391

■ 40.4400, 0.2831,
0.5392

■ 40.7718, 0.2799,
0.5193

■ 41.2841, 0.2781,
0.4972

■ 42.0320, 0.2782,
0.4736

■ 43.0442, 0.2800,
0.4495

■ 44.3448, 0.2834,
0.4257

■ 45.9552, 0.2880,
0.4029

■ 47.8948, 0.2935,
0.3816

■ 50.1812, 0.2997,
0.3621

■ 52.8309, 0.3062,
0.3446

Harmonies

Analogous

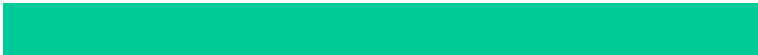
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.4405, 0.3884, 0.5417



40.4405, 0.2831, 0.5391



40.4405, 0.1909, 0.4250

Triad

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



40.4405, 0.2831, 0.5391



40.4405, 0.1483, 0.1678



40.4405, 0.5235, 0.3160

Complementary

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



40.4405, 0.2831, 0.5391



13.2832, 0.4465, 0.2234

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.



40.4405, 0.4296, 0.2483



40.4405, 0.2831, 0.5391



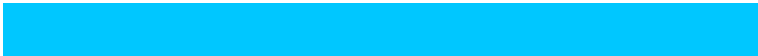
40.4405, 0.2060, 0.1675

Square

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



40.4405, 0.2831, 0.5391



40.4405, 0.1263, 0.2027



40.4405, 0.3051, 0.1956



40.4405, 0.5379, 0.3908

Rectangle

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



40.4405, 0.2831, 0.5391



40.4405, 0.1507, 0.3290



40.4405, 0.3051, 0.1956



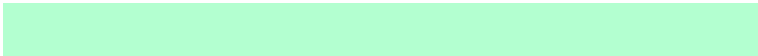
40.4405, 0.4997, 0.2924

Sweetspot

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



40.4422, 0.2831, 0.5391



85.5776, 0.2932, 0.3827



44.2804, 0.3562, 0.5554



17.9859, 0.2908, 0.3916



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.



40.4422, 0.2831, 0.5391



72.3818, 0.2839, 0.5419



42.8654, 0.2365, 0.3714



11.9535, 0.3065, 0.3437



26.6137, 0.2824, 0.5368



1.2742, 0.2704, 0.4935

Inverse Universe

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



13.2832, 0.4465, 0.2234



23.7310, 0.4490, 0.2247



11.9501, 0.6233, 0.3208



10.7456, 0.3195, 0.3148



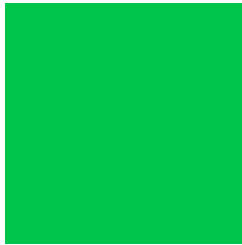
8.7505, 0.4445, 0.2222



0.4281, 0.4122, 0.2044

Previews

White Background



This preview shows how the Yxy color 40.4405, 0.2831, 0.5391 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 40.4405, 0.2831, 0.5391 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 40.4405, 0.2831, 0.5391

Background



This preview shows how black text looks on a background with the Yxy color 40.4405, 0.2831, 0.5391.



This preview shows how white text looks on a background with the Yxy color 40.4405, 0.2831, 0.5391.

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

40.4405, 0.2831, 0.5391

Protanopia

39.6000, 0.4167, 0.4560

Deuteranopia

39.5715, 0.4287, 0.4195



Tritanopia

40.5303, 0.2342, 0.3062

Trichromacy



Original Color

40.4405, 0.2831, 0.5391



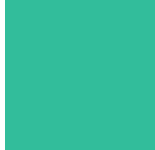
Protanomaly

36.6755, 0.3411, 0.5010



Deuteranomaly

35.7868, 0.3468, 0.4742



Tritanomaly

39.4399, 0.2489, 0.3861

Monochromacy



Original Color

40.4405, 0.2831, 0.5391



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.8361, 0.2850, 0.4190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4405, 0.2831, 0.5391 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(0, 197, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 75)  
}
```

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(0, 197, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 75) }
```

Border

The CSS property to change the border of an element to Yxy 40.4405, 0.2831, 0.5391 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(0, 197, 75) }
```

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

```
.border{ border-color:rgb(0, 197, 75) }
```

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

Here you see how a box with a 4 pixel rgb(0, 197, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 40.4405, 0.2831, 0.5391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 75) }
```

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

```
.background{ background-color: rgb(0, 197,  
75) }
```

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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