

Converting Colors

$Y_{xy}(40.8709, 0.2749, 0.5057)$

Have a look what the booklet for
Yxy(40.8709, 0.2749, 0.5057)
contains.

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Color

Yxy(40.8482, 0.2748, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	0BC560
RGB	11, 197, 96
RGB Percent	4%, 77%, 38%
CMY	0.9570, 0.2274, 0.6236
CMYK	0.94, 0.00, 0.51, 0.23
HSL	147°, 89%, 41%
HSV	147°, 94%, 77%
XYZ	22.2147, 40.8482, 17.7766
YIQ	129.8720, -78.4350, -70.8430

Conversions

Conversions Part 2

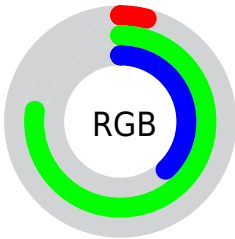
Format	Color
RYB	11, 139, 197
Decimal	771424
CIELab	70.07, -63.00, 39.09
CIELCh	70, 74.138, 148.184
Yxy	40.8482, 0.2748, 0.5053
Android (android.graphics.Color)	4278961504 (0xFF0BC560)
YUV	129.8720, -16.6989, -104.2507
Hunter-Lab	63.9126, -49.8041, 28.2479

Details

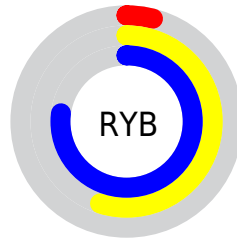
The Yxy color **40.8482, 0.2748, 0.5053** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.2791, 0.4667, 0.2377**, and the grayscale version is **22.3534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4829, 0.2851, 0.4681**, and **19.5433, 0.2861, 0.5500** is the 20% darker color. If you saturate the color by 10%, you get **40.6733, 0.2766, 0.5157**, and if you desaturate by 10%, it is **41.2757, 0.2725, 0.4856**.

Distribution



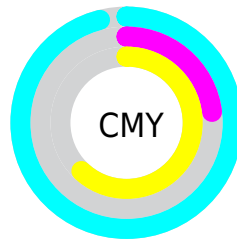
- Red (4%)
- Green (77%)
- Blue (38%)



- Red (4%)
- Yellow (55%)
- Blue (77%)



- Cyan (94%)
- Magenta (0%)
- Yellow (51%)
- Black (23%)





- Cyan (96%)
- Magenta (23%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8482, 0.2748, 0.5053 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 40.8482, 0.2748, 0.5053 by changing the saturation by 10% instead.


 40.8482, 0.2748,
0.5053


 40.8482, 0.2748,
0.5053


349.6858, 0.2988,
0.4077

 28.2005, 0.2669,
0.5325


 76.4534, 0.2849,
0.4676


 18.4768, 0.2554,
0.5690


 100.1797, 0.2882,
0.4541


 11.2929, 0.2379,
0.6195


 128.3676, 0.2909,
0.4430

 6.2642, 0.2094,
0.6921

 161.4016, 0.2931,
0.4336

 3.0064, 0.1603,
0.8397

 199.6660, 0.2949,
0.4257

 1.1351, 0.0000,
1.0000

243.5452, 0.2964,

 0.0077, 0.0000,

0.4188

1.0000

293.4237, 0.2977,
0.4129

■ 0.0000, 0.0000,
0.0000

■ 40.8482, 0.2748,
0.5053

■ 40.8482, 0.2748,
0.5053

■ 40.6733, 0.2766,
0.5157

■ 41.2757, 0.2725,
0.4856

■ 41.9155, 0.2720,
0.4647

■ 42.8000, 0.2735,
0.4434

■ 43.9544, 0.2768,
0.4224

■ 45.4009, 0.2816,
0.4021

■ 47.1593, 0.2875,
0.3830

■ 49.2475, 0.2943,
0.3653

■ 51.6820, 0.3017,
0.3493

■ 54.4782, 0.3093,
0.3349

Harmonies

Analogous

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



40.8482, 0.3722, 0.5272



40.8482, 0.2748, 0.5053



40.8482, 0.1929, 0.3960

Triad

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



40.8482, 0.2748, 0.5053



40.8482, 0.1664, 0.1785



40.8482, 0.5100, 0.3298

Complementary

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



40.8482, 0.2748, 0.5053



13.2791, 0.4667, 0.2377

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.



40.8482, 0.4339, 0.2644



40.8482, 0.2748, 0.5053



40.8482, 0.2265, 0.1818

Square

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



40.8482, 0.2748, 0.5053



40.8482, 0.1410, 0.2071



40.8482, 0.3226, 0.2120



40.8482, 0.5153, 0.4014

Rectangle

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



40.8482, 0.2748, 0.5053



40.8482, 0.1586, 0.3138



40.8482, 0.3226, 0.2120



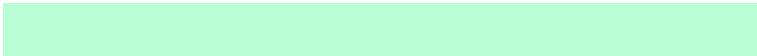
40.8482, 0.4918, 0.3071

Sweetspot

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



40.8499, 0.2748, 0.5053



86.6308, 0.2915, 0.3722



43.4886, 0.3461, 0.5600



18.1987, 0.2886, 0.3800



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.



40.8499, 0.2748, 0.5053



72.7935, 0.2773, 0.5184



43.6236, 0.2294, 0.3433



11.9672, 0.3055, 0.3418



26.7678, 0.2759, 0.5133



1.2820, 0.2646, 0.4727

Inverse Universe

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



13.2791, 0.4667, 0.2377



23.1084, 0.4816, 0.2426



12.1611, 0.6251, 0.3266



10.7317, 0.3206, 0.3165



8.5225, 0.4760, 0.2396



0.4180, 0.4351, 0.2170

Previews

White Background



This preview shows how the Yxy color 40.8482, 0.2748, 0.5053 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 40.8482, 0.2748, 0.5053 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 40.8482, 0.2748, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 40.8482, 0.2748, 0.5053.



This preview shows how white text looks on a background with the Yxy color 40.8482, 0.2748, 0.5053.

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

40.8482, 0.2748, 0.5053

Protanopia

40.1289, 0.4013, 0.4372

Deuteranopia

39.8397, 0.4089, 0.4008



Tritanopia

40.8714, 0.2329, 0.3062

Trichromacy



Original Color

40.8482, 0.2748, 0.5053



Protanomaly

37.6658, 0.3323, 0.4726



Deuteranomaly

36.6876, 0.3343, 0.4450



Tritanomaly

40.2013, 0.2456, 0.3734

Monochromacy



Original Color

40.8482, 0.2748, 0.5053



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

26.4454, 0.2822, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8482, 0.2748, 0.5053 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(11, 197, 96)` looks like.

```
.text, #text, p{  
    color:rgb(11, 197, 96)  
}
```

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(11, 197, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 197, 96) }
```

Border

The CSS property to change the border of an element to Yxy 40.8482, 0.2748, 0.5053 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(11, 197, 96) }
```

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

```
.border{ border-color:rgb(11, 197, 96) }
```

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

Here you see how a box with a 4 pixel rgb(11, 197, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 197, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 197, 96);  
box-shadow:4px 4px 4px 4px rgb(11, 197,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8482, 0.2748, 0.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 197, 96) }
```

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

```
.background{ background-color: rgb(11, 197,  
96) }
```

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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