

Converting Colors

$Y_{xy}(40.3484, 0.2706, 0.4913)$

Have a look what the booklet for
Yxy(40.3484, 0.2706, 0.4913)
contains.

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Color

Yxy(40.5108, 0.2709, 0.4924)

Conversions

Conversions Part 1

Format	Color
Hex	08C467
RGB	8, 196, 103
RGB Percent	3%, 77%, 40%
CMY	0.9687, 0.2314, 0.5961
CMYK	0.96, 0.00, 0.47, 0.23
HSL	150°, 92%, 40%
HSV	150°, 96%, 77%
XYZ	22.2875, 40.5108, 19.4738
YIQ	129.1860, -82.1950, -68.7790

Conversions

Conversions Part 2

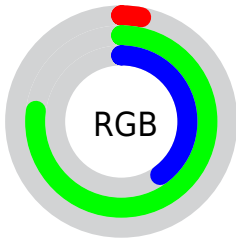
Format	Color
RYB	8, 133, 196
Decimal	574567
CIELab	69.83, -61.64, 35.30
CIELCh	70, 71.032, 150.199
Yxy	40.5108, 0.2709, 0.4924
Android (android.graphics.Color)	4278764647 (0xFF08C467)
YUV	129.1860, -12.9097, -106.2801
Hunter-Lab	63.6481, -48.8792, 26.4133

Details

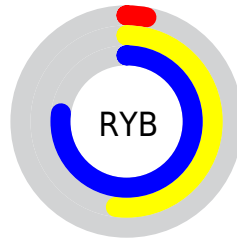
The Yxy color **40.5108, 0.2709, 0.4924** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **12.8489, 0.4892, 0.2494**, and the grayscale version is **22.0872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0169, 0.2815, 0.4580**, and **19.3068, 0.2822, 0.5358** is the 20% darker color. If you saturate the color by 10%, you get **40.3836, 0.2721, 0.4996**, and if you desaturate by 10%, it is **40.9080, 0.2685, 0.4741**.

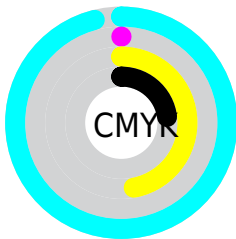
Distribution



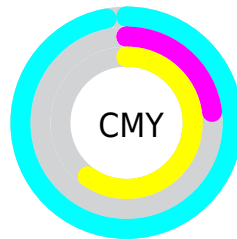
- Red (3%)
- Green (77%)
- Blue (40%)



- Red (3%)
- Yellow (52%)
- Blue (77%)



- Cyan (96%)
- Magenta (0%)
- Yellow (47%)
- Black (23%)





- Cyan (97%)
- Magenta (23%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5108, 0.2709, 0.4924 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 40.5108, 0.2709, 0.4924 by changing the saturation by 10% instead.


 40.5108, 0.2709,
0.4924

 40.5108, 0.2709,
0.4924


348.2718, 0.2962,
0.4019

 27.9370, 0.2629,
0.5178


 75.9407, 0.2813,
0.4574


 18.2782, 0.2516,
0.5519


 99.5657, 0.2848,
0.4449

 11.1499, 0.2346,
0.5996


 127.6431, 0.2876,
0.4346

 6.1678, 0.2072,
0.6694

 160.5575, 0.2900,
0.4259

 2.9474, 0.1649,
0.8351

 198.6931, 0.2919,
0.4186

 1.1043, 0.0000,
1.0000

242.4345, 0.2936,

 0.0000, 0.0000,

0.4123

0.0000

292.1659, 0.2950,
0.4068

■ 40.5108, 0.2709,
0.4924

■ 40.5108, 0.2709,
0.4924

■ 40.3836, 0.2721,
0.4996

■ 40.9080, 0.2685,
0.4741

■ 41.5051, 0.2681,
0.4550

■ 42.3354, 0.2697,
0.4356

■ 43.4245, 0.2731,
0.4164

■ 44.7944, 0.2781,
0.3979

■ 46.4646, 0.2844,
0.3805

■ 48.4529, 0.2916,
0.3643

■ 50.7757, 0.2995,
0.3495

■ 53.4480, 0.3077,
0.3362

Harmonies

Analogous

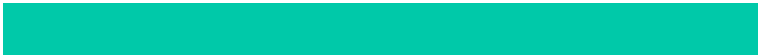
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5108, 0.3652, 0.5211



40.5108, 0.2709, 0.4924



40.5108, 0.1932, 0.3853

Triad

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



40.5108, 0.2709, 0.4924



40.5108, 0.1737, 0.1824



40.5108, 0.5052, 0.3354

Complementary

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



40.5108, 0.2709, 0.4924



12.8489, 0.4892, 0.2494

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.



40.5108, 0.4359, 0.2708



40.5108, 0.2709, 0.4924



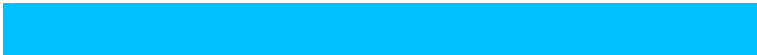
40.5108, 0.2348, 0.1874

Square

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



40.5108, 0.2709, 0.4924



40.5108, 0.1466, 0.2084



40.5108, 0.3297, 0.2184



40.5108, 0.5067, 0.4056

Rectangle

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



40.5108, 0.2709, 0.4924



40.5108, 0.1612, 0.3078



40.5108, 0.3297, 0.2184



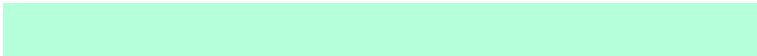
40.5108, 0.4891, 0.3130

Sweetspot

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



40.5124, 0.2709, 0.4924



86.4337, 0.2890, 0.3698



42.3236, 0.3384, 0.5669



18.1702, 0.2859, 0.3769



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.



40.5124, 0.2709, 0.4924



73.1012, 0.2728, 0.5022



43.5191, 0.2251, 0.3287



11.3419, 0.3049, 0.3406



25.9644, 0.2714, 0.4972



1.1358, 0.2601, 0.4564

Inverse Universe

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



12.8489, 0.4892, 0.2494



22.7700, 0.5024, 0.2541



11.9270, 0.6334, 0.3300



10.1591, 0.3213, 0.3177



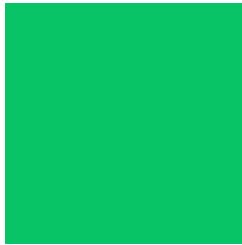
8.1121, 0.4959, 0.2506



0.3644, 0.4467, 0.2235

Previews

White Background



This preview shows how the Yxy color 40.5108, 0.2709, 0.4924 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 40.5108, 0.2709, 0.4924 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 40.5108, 0.2709, 0.4924

Background



This preview shows how black text looks on a background with the Yxy color 40.5108, 0.2709, 0.4924.



This preview shows how white text looks on a background with the Yxy color 40.5108, 0.2709, 0.4924.

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

40.5108, 0.2709, 0.4924

Protanopia

39.6054, 0.3954, 0.4300

Deuteranopia

39.6849, 0.4015, 0.3942



Tritanopia

40.3239, 0.2323, 0.3061

Trichromacy



Original Color

40.5108, 0.2709, 0.4924



Protanomaly

37.1682, 0.3253, 0.4621



Deuteranomaly

36.2603, 0.3282, 0.4350



Tritanomaly

39.7899, 0.2436, 0.3685

Monochromacy



Original Color

40.5108, 0.2709, 0.4924



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.0698, 0.2789, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5108, 0.2709, 0.4924 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(8, 196, 103)` looks like.

```
.text, #text, p{  
    color:rgb(8, 196, 103)  
}
```

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(8, 196, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 196, 103) }
```

Border

The CSS property to change the border of an element to Yxy 40.5108, 0.2709, 0.4924 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(8, 196, 103) }
```

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

```
.border{ border-color:rgb(8, 196, 103) }
```

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

Here you see how a box with a 4 pixel rgb(8, 196, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 196, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 196, 103);  
box-shadow:4px 4px 4px 4px rgb(8, 196,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5108, 0.2709, 0.4924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 196, 103) }
```

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

```
.background{ background-color: rgb(8, 196,  
103) }
```

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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