

Converting Colors

$Y_{xy}(48.2773, 0.3025, 0.5093)$

Have a look what the booklet for
Yxy(48.2773, 0.3025, 0.5093)
contains.

Yxy(48.4483, 0.3022, 0.5091)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.4483, 0.3022, 0.5091)

Conversions

Conversions Part 1

Format	Color
Hex	58D15C
RGB	88, 209, 92
RGB Percent	35%, 82%, 36%
CMY	0.6548, 0.1804, 0.6393
CMYK	0.58, 0.00, 0.56, 0.18
HSL	122°, 57%, 58%
HSV	122°, 58%, 82%
XYZ	28.7587, 48.4483, 17.9576
YIQ	159.4830, -34.5590, -62.0390

Conversions

Conversions Part 2

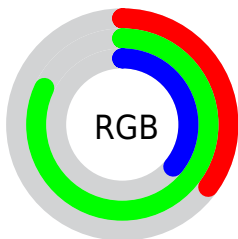
Format	Color
R_{YB}	88, 205, 209
Decimal	5820764
CIE _{Lab}	75.11, -57.03, 47.40
CIE _{LCh}	75, 74.158, 140.268
Yxy	48.4483, 0.3022, 0.5091
Android (android.graphics.Color)	4284010844 (0xFF58D15C)
YUV	159.4830, -33.2691, -62.6906
Hunter-Lab	69.6048, -48.0573, 33.4270

Details

The Yxy color **48.4483, 0.3022, 0.5091** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **24.9511, 0.3234, 0.1977**, and the grayscale version is **35.0759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8602, 0.3080, 0.4634**, and **22.9357, 0.2906, 0.5660** is the 20% darker color. If you saturate the color by 10%, you get **47.2643, 0.3008, 0.5409**, and if you desaturate by 10%, it is **50.0230, 0.3039, 0.4745**.

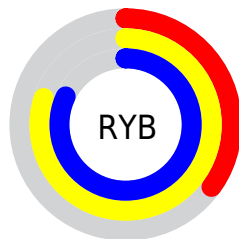
Distribution



Red (35%)

Green (82%)

Blue (36%)



Red (35%)

Yellow (80%)

Blue (82%)

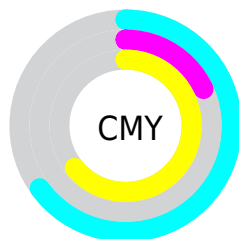


Cyan (58%)

Magenta (0%)

Yellow (56%)

Black (18%)



Cyan (65%)


Magenta (18%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4483, 0.3022, 0.5091 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 48.4483, 0.3022, 0.5091 by changing the saturation by 10% instead.


 48.4483, 0.3022,
0.5091


 48.4483, 0.3022,
0.5091


380.5663, 0.3126,
0.4130


 34.1820, 0.2976,
0.5343


 87.8715, 0.3074,
0.4731


 23.0335, 0.2906,
0.5670


 113.7972, 0.3089,
0.4598

 14.6182, 0.2790,
0.6104


 144.3783, 0.3100,
0.4488

 8.5519, 0.2589,
0.6693

 179.9989, 0.3108,
0.4394

 4.4501, 0.2286,
0.7714

221.0437, 0.3115,
0.4314

 1.9284, 0.0928,
0.9072

267.8969, 0.3120,

 0.5654, 0.0000,

0.4244

1.0000

320.9430, 0.3123,
0.4183

■ 0.0000, 0.0000,
0.0000

■ 48.4483, 0.3022,
0.5091

■ 48.4483, 0.3022,
0.5091

■ 47.2643, 0.3008,
0.5409

■ 50.0230, 0.3039,
0.4745

■ 46.4316, 0.2999,
0.5673

■ 52.0118, 0.3058,
0.4397

■ 45.9130, 0.2996,
0.5862

■ 54.4435, 0.3077,
0.4063

■ 45.6544, 0.2996,
0.5968

■ 57.3426, 0.3096,
0.3757

■ 45.6163, 0.2995,
0.5982

■ 60.7317, 0.3114,
0.3482

■ 64.6319, 0.3131,
0.3242

■ 69.0633, 0.3145,
0.3033

■ 73.9996, 0.3157,
0.2853

■ 74.0813, 0.3148,
0.2841

Harmonies

Analogous

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



48.4483, 0.3950, 0.5091



48.4483, 0.3022, 0.5091



48.4483, 0.2170, 0.4236

Triad

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



48.4483, 0.3022, 0.5091



48.4483, 0.1631, 0.1891



48.4483, 0.4864, 0.3137

Complementary

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



48.4483, 0.3022, 0.5091



24.9511, 0.3234, 0.1977

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.



48.4483, 0.4008, 0.2527



48.4483, 0.3022, 0.5091



48.4483, 0.2121, 0.1845

Square

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



48.4483, 0.3022, 0.5091



48.4483, 0.1467, 0.2271



48.4483, 0.2956, 0.2071



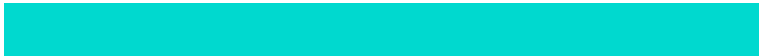
48.4483, 0.5108, 0.3818

Rectangle

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



48.4483, 0.3022, 0.5091



48.4483, 0.1769, 0.3448



48.4483, 0.2956, 0.2071



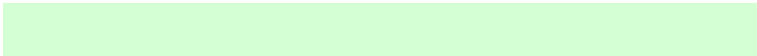
48.4483, 0.4632, 0.2923

Sweetspot

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



48.4503, 0.3022, 0.5091



90.2725, 0.3098, 0.3737



59.5697, 0.3931, 0.4656



19.1089, 0.3094, 0.3796



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.



48.4503, 0.3022, 0.5091



73.8371, 0.3006, 0.5465



49.8971, 0.2714, 0.4183



13.2124, 0.3111, 0.3522



28.1282, 0.2994, 0.5977



1.5750, 0.2973, 0.5902

Inverse Universe

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



24.9511, 0.3234, 0.1977



33.7145, 0.3254, 0.1793



22.6319, 0.3999, 0.2584



12.0021, 0.3143, 0.3068



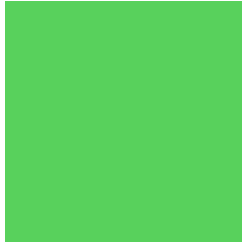
10.9950, 0.3292, 0.1587



0.6169, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 48.4483, 0.3022, 0.5091 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 48.4483, 0.3022, 0.5091 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 48.4483, 0.3022, 0.5091

Background



This preview shows how black text looks on a background with the Yxy color 48.4483, 0.3022, 0.5091.



This preview shows how white text looks on a background with the Yxy color 48.4483, 0.3022, 0.5091.

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

48.4483, 0.3022, 0.5091

Protanopia

47.7584, 0.4090, 0.4476

Deuteranopia

47.4468, 0.4218, 0.4134



Tritanopia

48.0152, 0.2490, 0.3069

Trichromacy



Original Color

48.4483, 0.3022, 0.5091



Protanomaly

46.5094, 0.3630, 0.4731



Deuteranomaly

45.5364, 0.3708, 0.4484



Tritanomaly

47.6646, 0.2690, 0.3782

Monochromacy



Original Color

48.4483, 0.3022, 0.5091



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

38.1801, 0.3079, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4483, 0.3022, 0.5091 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(88, 209, 92)` looks like.

```
.text, #text, p{  
    color:rgb(88, 209, 92)  
}
```

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(88, 209, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 209, 92) }
```

Border

The CSS property to change the border of an element to Yxy 48.4483, 0.3022, 0.5091 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(88, 209, 92) }
```

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

```
.border{ border-color:rgb(88, 209, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 209, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 209, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 209, 92);  
box-shadow:4px 4px 4px 4px rgb(88, 209,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4483, 0.3022, 0.5091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 209, 92) }
```

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

```
.background{ background-color: rgb(88, 209,  
92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor