

Converting Colors

$Yxy(40.2223, 0.2923, 0.4744)$

Have a look what the booklet for
Yxy(40.2223, 0.2923, 0.4744)
contains.

Yxy(40.1205, 0.2923, 0.4738)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.1205, 0.2923, 0.4738)

Conversions

Conversions Part 1

Format	Color
Hex	53BF69
RGB	83, 191, 105
RGB Percent	33%, 75%, 41%
CMY	0.6743, 0.2510, 0.5882
CMYK	0.57, 0.00, 0.45, 0.25
HSL	132°, 46%, 54%
HSV	132°, 57%, 75%
XYZ	24.7514, 40.1205, 19.8062
YIQ	148.9040, -36.7620, -49.6420

Conversions

Conversions Part 2

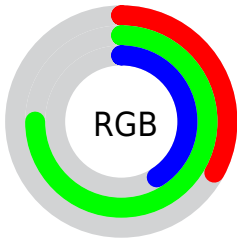
Format	Color
RYB	83, 173, 191
Decimal	5488489
CIELab	69.56, -49.48, 34.19
CIELCh	70, 60.141, 145.357
Yxy	40.1205, 0.2923, 0.4738
Android (android.graphics.Color)	4283678569 (0xFF53BF69)
YUV	148.9040, -21.6447, -57.7978
Hunter-Lab	63.3407, -41.0945, 25.7989

Details

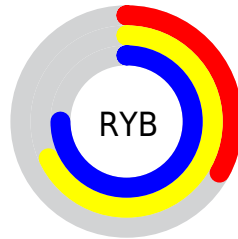
The Yxy color **40.1205, 0.2923, 0.4738** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **20.1363, 0.3464, 0.2197**, and the grayscale version is **30.1230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2318, 0.2985, 0.4435**, and **17.9197, 0.2799, 0.5242** is the 20% darker color. If you saturate the color by 10%, you get **39.0838, 0.2908, 0.5034**, and if you desaturate by 10%, it is **41.4558, 0.2948, 0.4440**.

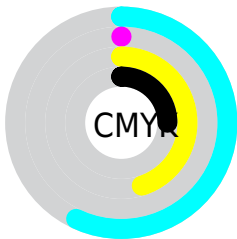
Distribution



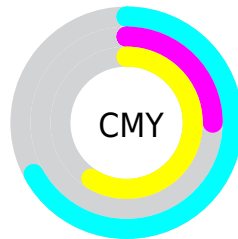
- Red (33%)
- Green (75%)
- Blue (41%)



- Red (33%)
- Yellow (68%)
- Blue (75%)



- Cyan (57%)
- Magenta (0%)
- Yellow (45%)
- Black (25%)





- Cyan (67%)
- Magenta (25%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1205, 0.2923, 0.4738 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 40.1205, 0.2923, 0.4738 by changing the saturation by 10% instead.


 40.1205, 0.2923,
0.4738


 40.1205, 0.2923,
0.4738


346.6312, 0.3060,
0.3943


 27.6325, 0.2875,
0.4959


 75.3470, 0.2982,
0.4432


 18.0488, 0.2803,
0.5255


 98.8542, 0.3002,
0.4323

 10.9850, 0.2690,
0.5668


 126.8034, 0.3017,
0.4232

 6.0568, 0.2496,
0.6274

 159.5788, 0.3029,
0.4156

 2.8796, 0.2279,
0.7721

197.5649, 0.3039,
0.4091

 1.0692, 0.0000,
1.0000

241.1461, 0.3047,

 0.0000, 0.0000,

0.4035

0.0000

290.7067, 0.3054,
0.3986

■ 40.1205, 0.2923,
0.4738

■ 40.1205, 0.2923,
0.4738

■ 39.0838, 0.2908,
0.5034

■ 41.4558, 0.2948,
0.4440

■ 38.3175, 0.2905,
0.5311

■ 43.1054, 0.2981,
0.4151

■ 37.7967, 0.2915,
0.5552

■ 45.0897, 0.3019,
0.3882

■ 37.4867, 0.2937,
0.5742

■ 47.4260, 0.3059,
0.3638

■ 37.4063, 0.2944,
0.5797

■ 50.1304, 0.3101,
0.3419

■ 53.2179, 0.3141,
0.3226

■ 56.7028, 0.3180,
0.3057

■ 60.5986, 0.3217,
0.2910

■ 64.9181, 0.3252,
0.2783

Harmonies

Analogous

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



40.1205, 0.3751, 0.4904



40.1205, 0.2923, 0.4738



40.1205, 0.2195, 0.3933

Triad

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



40.1205, 0.2923, 0.4738



40.1205, 0.1848, 0.2023



40.1205, 0.4710, 0.3281

Complementary

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



40.1205, 0.2923, 0.4738



20.1363, 0.3464, 0.2197

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.



40.1205, 0.4043, 0.2707



40.1205, 0.2923, 0.4738



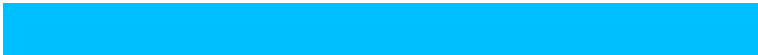
40.1205, 0.2349, 0.2019

Square

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



40.1205, 0.2923, 0.4738



40.1205, 0.1650, 0.2324



40.1205, 0.3136, 0.2262



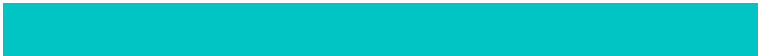
40.1205, 0.4845, 0.3907

Rectangle

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



40.1205, 0.2923, 0.4738



40.1205, 0.1865, 0.3279



40.1205, 0.3136, 0.2262



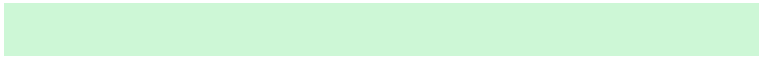
40.1205, 0.4538, 0.3081

Sweetspot

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



40.1222, 0.2923, 0.4738



84.6053, 0.3056, 0.3655



46.3663, 0.3731, 0.4721



18.3824, 0.3048, 0.3703



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.1222, 0.2923, 0.4738



69.6052, 0.2906, 0.5107



41.5918, 0.2604, 0.3810



10.6805, 0.3089, 0.3478



24.5930, 0.2938, 0.5778



0.9729, 0.2813, 0.5328

Inverse Universe

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



20.1363, 0.3464, 0.2197



30.2626, 0.3563, 0.2022



18.5182, 0.4283, 0.2863



9.6621, 0.3168, 0.3109



8.7840, 0.3794, 0.1864



0.3527, 0.3629, 0.1773

Previews

White Background



This preview shows how the Yxy color 40.1205, 0.2923, 0.4738 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 40.1205, 0.2923, 0.4738 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 40.1205, 0.2923, 0.4738

Background



This preview shows how black text looks on a background with the Yxy color 40.1205, 0.2923, 0.4738.



This preview shows how white text looks on a background with the Yxy color 40.1205, 0.2923, 0.4738.

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

40.1205, 0.2923, 0.4738

Protanopia

39.5533, 0.3912, 0.4256

Deuteranopia

39.2161, 0.4001, 0.3920



Tritanopia

40.0520, 0.2485, 0.3080

Trichromacy



Original Color

40.1205, 0.2923, 0.4738



Protanomaly

38.6603, 0.3482, 0.4453



Deuteranomaly

37.9801, 0.3538, 0.4224



Tritanomaly

39.9032, 0.2648, 0.3655

Monochromacy



Original Color

40.1205, 0.2923, 0.4738



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.6043, 0.3030, 0.3805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1205, 0.2923, 0.4738 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(83, 191, 105)` looks like.

```
.text, #text, p{  
    color:rgb(83, 191, 105)  
}
```

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(83, 191, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 191, 105) }
```

Border

The CSS property to change the border of an element to Yxy 40.1205, 0.2923, 0.4738 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(83, 191, 105) }
```

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

```
.border{ border-color:rgb(83, 191, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 191, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 191, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 191, 105);  
box-shadow:4px 4px 4px 4px rgb(83, 191,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1205, 0.2923, 0.4738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 191, 105) }
```

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

```
.background{ background-color: rgb(83, 191,  
105) }
```

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