

Converting Colors

$Yxy(40.7357, 0.2998, 0.4838)$

Have a look what the booklet for
Yxy(40.7357, 0.2998, 0.4838)
contains.

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Color

Yxy(40.7240, 0.2993, 0.4832)

Conversions

Conversions Part 1

Format	Color
Hex	59C063
RGB	89, 192, 99
RGB Percent	35%, 75%, 39%
CMY	0.6508, 0.2471, 0.6118
CMYK	0.54, 0.00, 0.48, 0.25
HSL	126°, 45%, 55%
HSV	126°, 54%, 75%
XYZ	25.2249, 40.7240, 18.3309
YIQ	150.6010, -31.5350, -50.7590

Conversions

Conversions Part 2

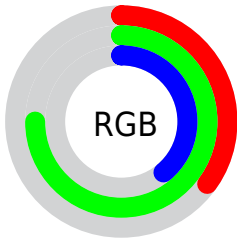
Format	Color
RYB	89, 183, 192
Decimal	5881955
CIELab	69.98, -49.30, 37.81
CIElCh	70, 62.126, 142.511
Yxy	40.7240, 0.2993, 0.4832
Android (android.graphics.Color)	4284072035 (0xFF59C063)
YUV	150.6010, -25.4393, -54.0241
Hunter-Lab	63.8154, -41.1194, 27.6398

Details

The Yxy color **40.7240, 0.2993, 0.4832** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **21.7409, 0.3303, 0.2127**, and the grayscale version is **30.8949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0967, 0.3042, 0.4511**, and **18.2725, 0.2885, 0.5375** is the 20% darker color. If you saturate the color by 10%, you get **39.5989, 0.2978, 0.5155**, and if you desaturate by 10%, it is **42.1715, 0.3014, 0.4501**.

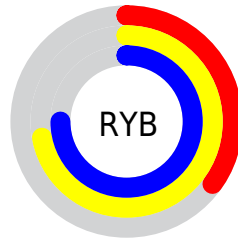
Distribution



Red (35%)

Green (75%)

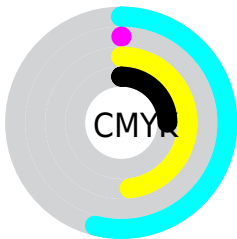
Blue (39%)



Red (35%)

Yellow (72%)

Blue (75%)

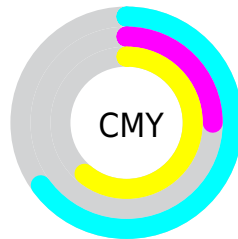


Cyan (54%)

Magenta (0%)

Yellow (48%)

Black (25%)



Cyan (65%)


Magenta (25%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7240, 0.2993, 0.4832 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 40.7240, 0.2993, 0.4832 by changing the saturation by 10% instead.


 40.7240, 0.2993,
0.4832

 40.7240, 0.2993,
0.4832


349.1658, 0.3099,
0.3988


 28.1035, 0.2951,
0.5064


 76.2647, 0.3042,
0.4509


 18.4037, 0.2885,
0.5374


 99.9538, 0.3058,
0.4392

 11.2402, 0.2778,
0.5801


 128.1011, 0.3069,
0.4296

 6.2286, 0.2585,
0.6415

 161.0911, 0.3078,
0.4215

 2.9846, 0.2318,
0.7682

199.3081, 0.3085,
0.4145

 1.1237, 0.0000,
1.0000

243.1367, 0.3090,

 0.0000, 0.0000,

0.4086

0.0000

292.9611, 0.3095,
0.4034

■ 40.7240, 0.2993,
0.4832

■ 40.7240, 0.2993,
0.4832

■ 39.5989, 0.2978,
0.5155

■ 42.1715, 0.3014,
0.4501

■ 38.7669, 0.2969,
0.5448

■ 43.9580, 0.3039,
0.4181

■ 38.2017, 0.2970,
0.5689

■ 46.1051, 0.3065,
0.3881

■ 37.8701, 0.2977,
0.5862

■ 48.6312, 0.3092,
0.3610

■ 37.7438, 0.2982,
0.5936

■ 51.5533, 0.3118,
0.3370

■ 54.8874, 0.3143,
0.3159

■ 58.6487, 0.3166,
0.2976

■ 62.8516, 0.3187,
0.2818

■ 66.1785, 0.3156,
0.2673

Harmonies

Analogous

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



40.7240, 0.3838, 0.4927



40.7240, 0.2993, 0.4832



40.7240, 0.2230, 0.4047

Triad

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



40.7240, 0.2993, 0.4832



40.7240, 0.1787, 0.2009



40.7240, 0.4710, 0.3217

Complementary

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



40.7240, 0.2993, 0.4832



21.7409, 0.3303, 0.2127

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.



40.7240, 0.3983, 0.2642



40.7240, 0.2993, 0.4832



40.7240, 0.2267, 0.1980

Square

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



40.7240, 0.2993, 0.4832



40.7240, 0.1614, 0.2345



40.7240, 0.3048, 0.2205



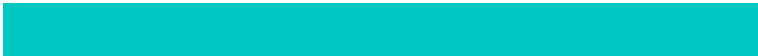
40.7240, 0.4900, 0.3852

Rectangle

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



40.7240, 0.2993, 0.4832



40.7240, 0.1873, 0.3368



40.7240, 0.3048, 0.2205



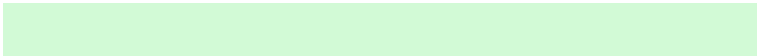
40.7240, 0.4516, 0.3016

Sweetspot

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



40.7257, 0.2993, 0.4832



86.8418, 0.3085, 0.3679



48.5395, 0.3817, 0.4599



18.4227, 0.3079, 0.3734



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.



40.7257, 0.2993, 0.4832



71.5088, 0.2976, 0.5198



41.9985, 0.2693, 0.3981



11.2743, 0.3103, 0.3504



25.4035, 0.2979, 0.5925



1.1031, 0.2910, 0.5676

Inverse Universe

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



21.7409, 0.3303, 0.2127



33.5797, 0.3347, 0.1939



20.0251, 0.4004, 0.2720



10.2302, 0.3152, 0.3085



9.5900, 0.3465, 0.1682



0.4193, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 40.7240, 0.2993, 0.4832 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 40.7240, 0.2993, 0.4832 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 40.7240, 0.2993, 0.4832

Background



This preview shows how black text looks on a background with the Yxy color 40.7240, 0.2993, 0.4832.



This preview shows how white text looks on a background with the Yxy color 40.7240, 0.2993, 0.4832.

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

40.7240, 0.2993, 0.4832

Protanopia

40.0696, 0.3973, 0.4331

Deuteranopia

39.8604, 0.4080, 0.3996



Tritanopia

40.4780, 0.2514, 0.3068

Trichromacy



Original Color

40.7240, 0.2993, 0.4832



Protanomaly

39.2283, 0.3551, 0.4536



Deuteranomaly

38.6529, 0.3622, 0.4308



Tritanomaly

40.2142, 0.2690, 0.3668

Monochromacy



Original Color

40.7240, 0.2993, 0.4832



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.5276, 0.3065, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7240, 0.2993, 0.4832 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(89, 192, 99)` looks like.

```
.text, #text, p{  
    color:rgb(89, 192, 99)  
}
```

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(89, 192, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 192, 99) }
```

Border

The CSS property to change the border of an element to Yxy 40.7240, 0.2993, 0.4832 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(89, 192, 99) }
```

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

```
.border{ border-color:rgb(89, 192, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 192, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 192, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 192, 99);  
box-shadow:4px 4px 4px 4px rgb(89, 192,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7240, 0.2993, 0.4832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 192, 99) }
```

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

```
.background{ background-color: rgb(89, 192,  
99) }
```

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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