

Converting Colors

$Y_{xy}(40.7217, 0.3250, 0.5172)$

Have a look what the booklet for
Yxy(40.7217, 0.3250, 0.5172)
contains.

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Color

Yxy(40.7198, 0.3249, 0.5168)

Conversions

Conversions Part 1

Format	Color
Hex	69BF47
RGB	105, 191, 71
RGB Percent	41%, 75%, 28%
CMY	0.5880, 0.2510, 0.7215
CMYK	0.45, 0.00, 0.63, 0.25
HSL	103°, 48%, 51%
HSV	103°, 63%, 75%
XYZ	25.5996, 40.7198, 12.4728
YIQ	151.6060, -12.7360, -55.5520

Conversions

Conversions Part 2

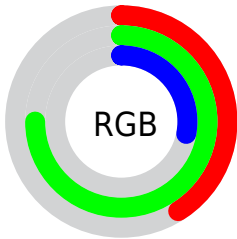
Format	Color
RYB	71, 191, 157
Decimal	6930247
CIELab	69.98, -47.70, 51.11
CIELCh	70, 69.909, 133.025
Yxy	40.7198, 0.3249, 0.5168
Android (android.graphics.Color)	4285120327 (0xFF69BF47)
YUV	151.6060, -39.7388, -40.8735
Hunter-Lab	63.8121, -40.0620, 33.0795

Details

The Yxy color **40.7198, 0.3249, 0.5168** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **15.4313, 0.2780, 0.1679**, and the grayscale version is **31.4067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2714, 0.3268, 0.4784**, and **18.4963, 0.3168, 0.5783** is the 20% darker color. If you saturate the color by 10%, you get **39.7503, 0.3232, 0.5444**, and if you desaturate by 10%, it is **41.9032, 0.3252, 0.4858**.

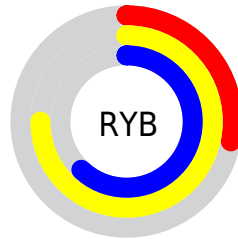
Distribution



Red (41%)

Green (75%)

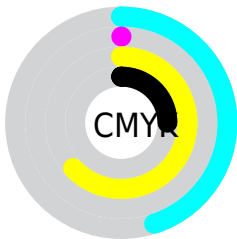
Blue (28%)



Red (28%)

Yellow (75%)

Blue (62%)

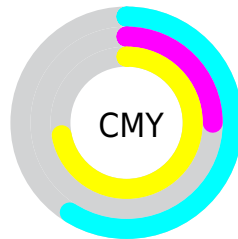


Cyan (45%)

Magenta (0%)

Yellow (63%)

Black (25%)



Cyan (59%)


Magenta (25%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7198, 0.3249, 0.5168 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 40.7198, 0.3249, 0.5168 by changing the saturation by 10% instead.

 40.7198, 0.3249,
0.5168


 40.7198, 0.3249,
0.5168


349.1482, 0.3248,
0.4152


 28.1002, 0.3222,
0.5436


 76.2584, 0.3267,
0.4785


 18.4012, 0.3168,
0.5781


 99.9461, 0.3268,
0.4645


 11.2384, 0.3060,
0.6233


 128.0920, 0.3267,
0.4528

 6.2274, 0.2925,
0.7029

 161.0805, 0.3264,
0.4430

 2.9839, 0.2399,
0.7601

 199.2960, 0.3260,
0.4345

 1.1233, 0.0000,
1.0000

243.1228, 0.3256,

 0.0000, 0.0000,

0.4272

0.0000

292.9454, 0.3252,
0.4208

■ 40.7198, 0.3249,
0.5168

■ 40.7198, 0.3249,
0.5168

■ 39.7503, 0.3232,
0.5444

■ 41.9032, 0.3252,
0.4858

■ 38.9754, 0.3201,
0.5666

■ 43.3076, 0.3243,
0.4533

■ 38.3812, 0.3159,
0.5822

■ 44.9462, 0.3224,
0.4210

■ 38.0494, 0.3126,
0.5900

■ 46.8296, 0.3198,
0.3903

■ 48.9677, 0.3169,
0.3617

■ 51.3698, 0.3136,
0.3358

■ 54.0448, 0.3104,
0.3126

■ 57.0012, 0.3071,
0.2921

■ 60.2469, 0.3039,
0.2740

Harmonies

Analogous

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



40.7198, 0.4159, 0.4984



40.7198, 0.3249, 0.5168



40.7198, 0.2356, 0.4502

Triad

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



40.7198, 0.3249, 0.5168



40.7198, 0.1564, 0.1950



40.7198, 0.4701, 0.2982

Complementary

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



40.7198, 0.3249, 0.5168



15.4313, 0.2780, 0.1679

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.



40.7198, 0.3752, 0.2400



40.7198, 0.3249, 0.5168



40.7198, 0.1972, 0.1831

Square

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



40.7198, 0.3249, 0.5168



40.7198, 0.1477, 0.2425



40.7198, 0.2726, 0.1994



40.7198, 0.5111, 0.3649

Rectangle

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



40.7198, 0.3249, 0.5168



40.7198, 0.1896, 0.3731



40.7198, 0.2726, 0.1994



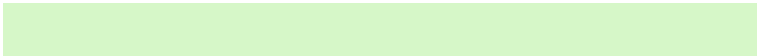
40.7198, 0.4425, 0.2774

Sweetspot

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



40.7215, 0.3249, 0.5168



85.1723, 0.3188, 0.3799



34.9732, 0.4281, 0.4360



18.4681, 0.3197, 0.3884



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.



40.7215, 0.3249, 0.5168



70.6921, 0.3223, 0.5526



39.4257, 0.2914, 0.4932



10.7772, 0.3158, 0.3524



25.0428, 0.3135, 0.5893



1.0153, 0.3327, 0.5741

Inverse Universe

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



15.4313, 0.2780, 0.1679



21.7266, 0.2678, 0.1420



18.3734, 0.3507, 0.2098



9.5565, 0.3094, 0.3061



5.9979, 0.2509, 0.1156



0.2664, 0.2684, 0.1252

Previews

White Background



This preview shows how the Yxy color 40.7198, 0.3249, 0.5168 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 40.7198, 0.3249, 0.5168 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 40.7198, 0.3249, 0.5168

Background



This preview shows how black text looks on a background with the Yxy color 40.7198, 0.3249, 0.5168.



This preview shows how white text looks on a background with the Yxy color 40.7198, 0.3249, 0.5168.

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

40.7198, 0.3249, 0.5168

Protanopia

40.0783, 0.4181, 0.4583

Deuteranopia

40.1215, 0.4345, 0.4257



Tritanopia

40.5261, 0.2615, 0.3086

Trichromacy



Original Color

40.7198, 0.3249, 0.5168



Protanomaly

39.6170, 0.3801, 0.4822



Deuteranomaly

39.1936, 0.3902, 0.4594



Tritanomaly

39.8885, 0.2861, 0.3825

Monochromacy



Original Color

40.7198, 0.3249, 0.5168



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

33.8534, 0.3204, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7198, 0.3249, 0.5168 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(105, 191, 71)` looks like.

```
.text, #text, p{  
    color:rgb(105, 191, 71)  
}
```

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(105, 191, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 191, 71) }
```

Border

The CSS property to change the border of an element to Yxy 40.7198, 0.3249, 0.5168 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(105, 191, 71) }
```

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

```
.border{ border-color:rgb(105, 191, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 191, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 191, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 191, 71);  
box-shadow:4px 4px 4px 4px rgb(105, 191,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7198, 0.3249, 0.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 191, 71) }
```

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

```
.background{ background-color: rgb(105,  
191, 71) }
```

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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