

Converting Colors

$Y_{xy}(47.4284, 0.3389, 0.5366)$

Have a look what the booklet for
Yxy(47.4284, 0.3389, 0.5366)
contains.

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Color

Yxy(47.4451, 0.3390, 0.5360)

Conversions

Conversions Part 1

Format	Color
Hex	78CC36
RGB	120, 204, 54
RGB Percent	47%, 80%, 21%
CMY	0.5293, 0.2000, 0.7883
CMYK	0.41, 0.00, 0.74, 0.20
HSL	94°, 60%, 51%
HSV	94°, 74%, 80%
XYZ	30.0073, 47.4451, 11.0646
YIQ	161.7840, -1.9140, -64.4580

Conversions

Conversions Part 2

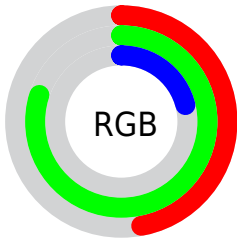
Format	Color
RYB	54, 204, 138
Decimal	7916598
CIELab	74.47, -49.51, 62.66
CIElCh	74, 79.860, 128.316
Yxy	47.4451, 0.3390, 0.5360
Android (android.graphics.Color)	4286106678 (0xFF78CC36)
YUV	161.7840, -53.1375, -36.6446
Hunter-Lab	68.8804, -42.7785, 38.6922

Details

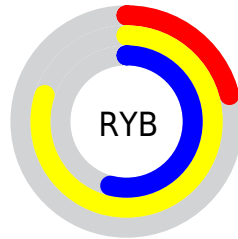
The Yxy color **47.4451, 0.3390, 0.5360** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **12.3973, 0.2429, 0.1327**, and the grayscale version is **36.2826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1108, 0.3417, 0.4927**, and **22.4870, 0.3263, 0.5791** is the 20% darker color. If you saturate the color by 10%, you get **46.5254, 0.3364, 0.5563**, and if you desaturate by 10%, it is **48.5466, 0.3396, 0.5108**.

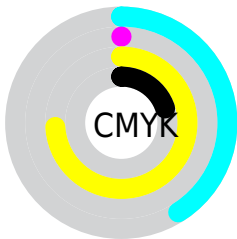
Distribution



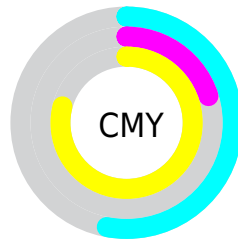
- Red (47%)
- Green (80%)
- Blue (21%)



- Red (21%)
- Yellow (80%)
- Blue (54%)



- Cyan (41%)
- Magenta (0%)
- Yellow (74%)
- Black (20%)



- Cyan (53%)
- Magenta (20%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4451, 0.3390, 0.5360 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 47.4451, 0.3390, 0.5360 by changing the saturation by 10% instead.


 47.4451, 0.3390,
0.5360


 47.4451, 0.3390,
0.5360


376.5884, 0.3342,
0.4283


 33.3877, 0.3367,
0.5623


 86.3776, 0.3397,
0.4968

 22.4236, 0.3315,
0.5949


 112.0215, 0.3392,
0.4820

 14.1685, 0.3209,
0.6352


 142.2964, 0.3385,
0.4695

 8.2379, 0.3046,
0.6954

 177.5865, 0.3376,
0.4588

 4.2476, 0.2588,
0.7412

 218.2764, 0.3368,
0.4496

 1.8130, 0.1477,
0.8523

264.7504, 0.3359,

 0.4953, 0.0000,

0.4416

1.0000

317.3930, 0.3350,
0.4345

■ 0.0000, 0.0000,
0.0000

■ 47.4451, 0.3390,
0.5360

■ 47.4451, 0.3390,
0.5360

■ 46.5254, 0.3364,
0.5563

■ 48.5466, 0.3396,
0.5108

■ 45.7671, 0.3319,
0.5706

■ 49.8360, 0.3382,
0.4822

■ 45.3497, 0.3284,
0.5775

■ 51.3262, 0.3353,
0.4519


■ 53.0271, 0.3311,
0.4213

■ 54.9477, 0.3260,
0.3915

 57.0966, 0.3205,
0.3635

 59.4819, 0.3147,
0.3376

 62.1112, 0.3090,
0.3141

 64.9916, 0.3035,
0.2929

Harmonies

Analogous

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



47.4451, 0.4344, 0.5002



47.4451, 0.3390, 0.5360



47.4451, 0.2420, 0.4796

Triad

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



47.4451, 0.3390, 0.5360



47.4451, 0.1430, 0.1905



47.4451, 0.4700, 0.2843

Complementary

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



47.4451, 0.3390, 0.5360



12.3973, 0.2429, 0.1327

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.



47.4451, 0.3615, 0.2255



47.4451, 0.3390, 0.5360



47.4451, 0.1801, 0.1736

Square

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



47.4451, 0.3390, 0.5360



47.4451, 0.1387, 0.2468



47.4451, 0.2539, 0.1866



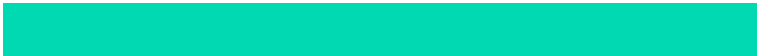
47.4451, 0.5247, 0.3530

Rectangle

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



47.4451, 0.3390, 0.5360



47.4451, 0.1898, 0.3971



47.4451, 0.2539, 0.1866



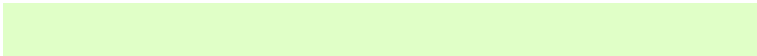
47.4451, 0.4372, 0.2631

Sweetspot

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



47.4472, 0.3390, 0.5360



91.4218, 0.3253, 0.3879



30.8521, 0.4723, 0.4231



19.3703, 0.3268, 0.3959



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.



47.4472, 0.3390, 0.5360



76.3143, 0.3341, 0.5651



44.3120, 0.2994, 0.5535



12.7745, 0.3181, 0.3525



28.5968, 0.3294, 0.5766



1.5200, 0.3450, 0.5642

Inverse Universe

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



12.3973, 0.2429, 0.1327



15.2684, 0.2251, 0.1065



19.4833, 0.3292, 0.1770



11.1485, 0.3069, 0.3057



5.0598, 0.2152, 0.0959



0.3055, 0.2353, 0.1070

Previews

White Background



This preview shows how the Yxy color 47.4451, 0.3390, 0.5360 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 47.4451, 0.3390, 0.5360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

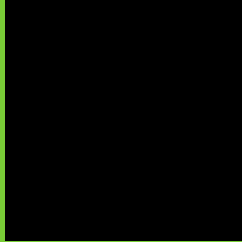
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4451, 0.3390, 0.5360

Background



This preview shows how black text looks on a background with the Yxy color 47.4451, 0.3390, 0.5360.



This preview shows how white text looks on a background with the Yxy color 47.4451, 0.3390, 0.5360.

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

47.4451, 0.3390, 0.5360

Protanopia

46.9177, 0.4284, 0.4744

Deuteranopia

46.6114, 0.4497, 0.4403



Tritanopia

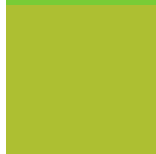
47.0339, 0.2660, 0.3073

Trichromacy



Original Color

47.4451, 0.3390, 0.5360



Protanomaly

46.3761, 0.3924, 0.4994



Deuteranomaly

45.3201, 0.4065, 0.4754



Tritanomaly

46.3329, 0.2969, 0.3938

Monochromacy



Original Color

47.4451, 0.3390, 0.5360



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

39.0774, 0.3297, 0.4112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4451, 0.3390, 0.5360 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(120, 204, 54)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 54)  
}
```

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(120, 204, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 54) }
```

Border

The CSS property to change the border of an element to Yxy 47.4451, 0.3390, 0.5360 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(120, 204, 54) }
```

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

```
.border{ border-color:rgb(120, 204, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 204, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 204, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 204, 54);  
box-shadow:4px 4px 4px 4px rgb(120, 204,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4451, 0.3390, 0.5360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 204, 54) }
```

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

```
.background{ background-color: rgb(120,  
204, 54) }
```

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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