

Converting Colors

$Y_{xy}(46.7869, 0.3308, 0.5405)$

Have a look what the booklet for
Yxy(46.7869, 0.3308, 0.5405)
contains.

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Color

Yxy(46.7128, 0.3308, 0.5405)

Conversions

Conversions Part 1

Format	Color
Hex	6DCC37
RGB	109, 204, 55
RGB Percent	43%, 80%, 22%
CMY	0.5725, 0.2000, 0.7843
CMYK	0.47, 0.00, 0.73, 0.20
HSL	98°, 59%, 51%
HSV	98°, 73%, 80%
XYZ	28.5894, 46.7128, 11.1229
YIQ	158.6090, -8.7910, -66.4790

Conversions

Conversions Part 2

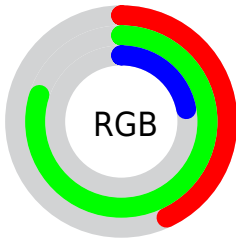
Format	Color
RYB	55, 204, 150
Decimal	7195703
CIELab	74.01, -52.94, 61.69
CIELCh	74, 81.293, 130.638
Yxy	46.7128, 0.3308, 0.5405
Android (android.graphics.Color)	4285385783 (0xFF6DCC37)
YUV	158.6090, -51.0792, -43.5071
Hunter-Lab	68.3468, -44.9403, 38.1937

Details

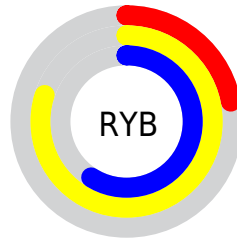
The Yxy color **46.7128, 0.3308, 0.5405** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **13.5754, 0.2565, 0.1402**, and the grayscale version is **34.7249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8832, 0.3343, 0.4955**, and **22.0757, 0.3159, 0.5874** is the 20% darker color. If you saturate the color by 10%, you get **45.7932, 0.3278, 0.5619**, and if you desaturate by 10%, it is **47.8393, 0.3320, 0.5140**.

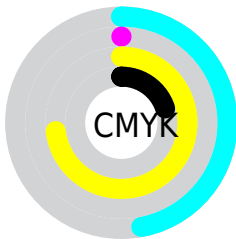
Distribution



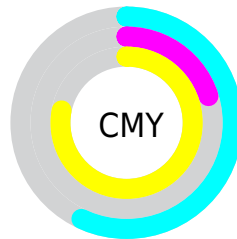
- Red (43%)
- Green (80%)
- Blue (22%)



- Red (22%)
- Yellow (80%)
- Blue (59%)



- Cyan (47%)
- Magenta (0%)
- Yellow (73%)
- Black (20%)




- Cyan (57%)
- Magenta (20%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7128, 0.3308, 0.5405 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 46.7128, 0.3308, 0.5405 by changing the saturation by 10% instead.


 46.7128, 0.3308,
0.5405


 46.7128, 0.3308,
0.5405


373.6670, 0.3301,
0.4294


 32.8087, 0.3275,
0.5681


 85.2848, 0.3330,
0.4998

 21.9799, 0.3210,
0.6024


 110.7214, 0.3331,
0.4845


 13.8421, 0.3085,
0.6453


 140.7710, 0.3328,
0.4716

 8.0110, 0.2898,
0.7102

 175.8179, 0.3324,
0.4607

 4.1020, 0.2403,
0.7597

 216.2466, 0.3319,
0.4512

 1.7308, 0.0948,
0.9052

262.4414, 0.3313,

 0.4435, 0.0000,

0.4430

1.0000

314.7867, 0.3307,
0.4358

■ 0.0000, 0.0000,
0.0000

■ 46.7128, 0.3308,
0.5405

■ 46.7128, 0.3308,
0.5405

■ 45.7932, 0.3278,
0.5619

■ 47.8393, 0.3320,
0.5140

■ 45.0584, 0.3232,
0.5770

■ 49.1806, 0.3316,
0.4840

■ 44.6410, 0.3196,
0.5844

■ 50.7511, 0.3297,
0.4525

■ 52.5622, 0.3266,
0.4210

■ 54.6245, 0.3228,
0.3907

■ 56.9478, 0.3186,
0.3623

■ 59.5414, 0.3141,
0.3364

■ 62.4141, 0.3096,
0.3130

■ 65.5743, 0.3052,
0.2921

Harmonies

Analogous

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



46.7128, 0.4289, 0.5079



46.7128, 0.3308, 0.5405



46.7128, 0.2332, 0.4750

Triad

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



46.7128, 0.3308, 0.5405



46.7128, 0.1419, 0.1852



46.7128, 0.4805, 0.2882

Complementary

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



46.7128, 0.3308, 0.5405



13.5754, 0.2565, 0.1402

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.



46.7128, 0.3717, 0.2276



46.7128, 0.3308, 0.5405



46.7128, 0.1821, 0.1709

Square

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



46.7128, 0.3308, 0.5405



46.7128, 0.1349, 0.2385



46.7128, 0.2599, 0.1863



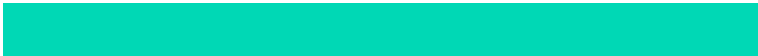
46.7128, 0.5302, 0.3583

Rectangle

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



46.7128, 0.3308, 0.5405



46.7128, 0.1821, 0.3880



46.7128, 0.2599, 0.1863



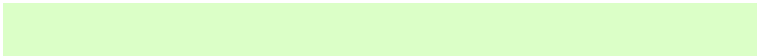
46.7128, 0.4483, 0.2665

Sweetspot

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



46.7148, 0.3308, 0.5405



90.7352, 0.3225, 0.3884



34.7251, 0.4577, 0.4367



19.2093, 0.3236, 0.3966



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.



46.7148, 0.3308, 0.5405



75.0573, 0.3252, 0.5719



44.5057, 0.2948, 0.5370



12.7316, 0.3170, 0.3526



28.1447, 0.3206, 0.5837



1.4945, 0.3363, 0.5711

Inverse Universe

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



13.5754, 0.2565, 0.1402



17.1394, 0.2409, 0.1150



19.0363, 0.3451, 0.1881



11.1925, 0.3081, 0.3058



5.7882, 0.2323, 0.1053



0.3405, 0.2498, 0.1150

Previews

White Background



This preview shows how the Yxy color 46.7128, 0.3308, 0.5405 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 46.7128, 0.3308, 0.5405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

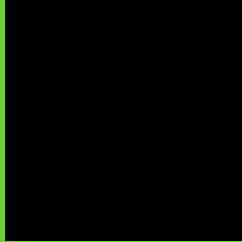
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7128, 0.3308, 0.5405

Background



This preview shows how black text looks on a background with the Yxy color 46.7128, 0.3308, 0.5405.



This preview shows how white text looks on a background with the Yxy color 46.7128, 0.3308, 0.5405.

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

46.7128, 0.3308, 0.5405

Protanopia

45.9660, 0.4289, 0.4726

Deuteranopia

45.9178, 0.4483, 0.4397



Tritanopia

46.3515, 0.2608, 0.3070

Trichromacy



Original Color

46.7128, 0.3308, 0.5405



Protanomaly

45.0692, 0.3898, 0.4996



Deuteranomaly

44.7071, 0.4012, 0.4775



Tritanomaly

45.6246, 0.2906, 0.3950

Monochromacy



Original Color

46.7128, 0.3308, 0.5405



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.7031, 0.3261, 0.4131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7128, 0.3308, 0.5405 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(109, 204, 55)` looks like.

```
.text, #text, p{  
    color:rgb(109, 204, 55)  
}
```

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(109, 204, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 204, 55) }
```

Border

The CSS property to change the border of an element to Yxy 46.7128, 0.3308, 0.5405 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(109, 204, 55) }
```

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

```
.border{ border-color:rgb(109, 204, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 204, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 204, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 204, 55);  
box-shadow:4px 4px 4px 4px rgb(109, 204,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7128, 0.3308, 0.5405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 204, 55) }
```

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

```
.background{ background-color: rgb(109,  
204, 55) }
```

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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