

Converting Colors

$Y_{xy}(41.8100, 0.3375, 0.5111)$

Have a look what the booklet for
Yxy(41.8100, 0.3375, 0.5111)
contains.

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Color

Yxy(41.7687, 0.3377, 0.5107)

Conversions

Conversions Part 1

Format	Color
Hex	79BF46
RGB	121, 191, 70
RGB Percent	47%, 75%, 27%
CMY	0.5256, 0.2510, 0.7255
CMYK	0.37, 0.00, 0.63, 0.25
HSL	95°, 49%, 51%
HSV	95°, 63%, 75%
XYZ	27.6195, 41.7687, 12.3989
YIQ	156.2760, -2.8790, -52.4710

Conversions

Conversions Part 2

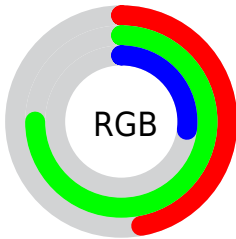
Format	Color
RYB	70, 191, 140
Decimal	7978822
CIELab	70.71, -42.58, 52.56
CIELCh	71, 67.642, 129.008
Yxy	41.7687, 0.3377, 0.5107
Android (android.graphics.Color)	4286168902 (0xFF79BF46)
YUV	156.2760, -42.5341, -30.9371
Hunter-Lab	64.6287, -36.8170, 33.8654

Details

The Yxy color **41.7687, 0.3377, 0.5107** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **13.7180, 0.2579, 0.1579**, and the grayscale version is **33.5692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9120, 0.3369, 0.4749**, and **19.0327, 0.3332, 0.5679** is the 20% darker color. If you saturate the color by 10%, you get **40.8133, 0.3370, 0.5363**, and if you desaturate by 10%, it is **42.8959, 0.3365, 0.4818**.

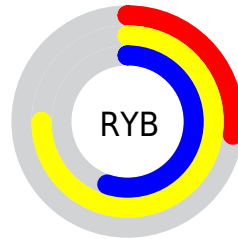
Distribution



Red (47%)

Green (75%)

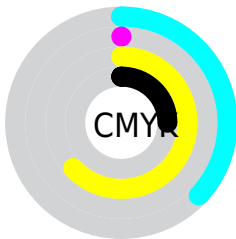
Blue (27%)



Red (27%)

Yellow (75%)

Blue (55%)

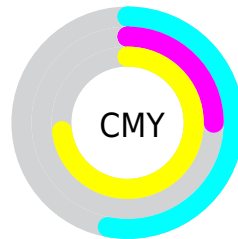


Cyan (37%)

Magenta (0%)

Yellow (63%)

Black (25%)



Cyan (53%)


Magenta (25%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7687, 0.3377, 0.5107 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 41.7687, 0.3377, 0.5107 by changing the saturation by 10% instead.


 41.7687, 0.3377,
0.5107


 41.7687, 0.3377,
0.5107


353.5232, 0.3310,
0.4138

 28.9202, 0.3367,
0.5357


 77.8494, 0.3371,
0.4746


 19.0205, 0.3335,
0.5675

 101.8505, 0.3362,
0.4612


 11.6851, 0.3258,
0.6086


 130.3379, 0.3353,
0.4501

 6.5296, 0.3170,
0.6802

 163.6959, 0.3344,
0.4406

 3.1697, 0.2707,
0.7293

 202.3091, 0.3335,
0.4324

 1.2210, 0.0670,
0.9330

246.5618, 0.3326,

 0.0787, 0.0000,

0.4254

1.0000

296.8384, 0.3317,
0.4192

■ 0.0000, 0.0000,
0.0000

■ 41.7687, 0.3377,
0.5107

■ 41.7687, 0.3377,
0.5107

■ 40.8133, 0.3370,
0.5363

■ 42.8959, 0.3365,
0.4818

■ 40.0136, 0.3344,
0.5569

■ 44.1990, 0.3338,
0.4513

■ 39.3592, 0.3299,
0.5717

■ 45.6884, 0.3299,
0.4206

■ 38.9912, 0.3264,
0.5790

■ 47.3723, 0.3251,
0.3909

■ 49.2580, 0.3199,
0.3629

■ 51.3527, 0.3145,
0.3371

■ 53.6631, 0.3091,
0.3137

■ 56.1954, 0.3039,
0.2927

■ 58.9559, 0.2988,
0.2740

Harmonies

Analogous

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



41.7687, 0.4241, 0.4863



41.7687, 0.3377, 0.5107



41.7687, 0.2495, 0.4574

Triad

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



41.7687, 0.3377, 0.5107



41.7687, 0.1583, 0.2036



41.7687, 0.4538, 0.2915

Complementary

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



41.7687, 0.3377, 0.5107



13.7180, 0.2579, 0.1579

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.



41.7687, 0.3592, 0.2366



41.7687, 0.3377, 0.5107



41.7687, 0.1939, 0.1876

Square

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



41.7687, 0.3377, 0.5107



41.7687, 0.1542, 0.2556



41.7687, 0.2626, 0.1999



41.7687, 0.5022, 0.3560

Rectangle

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



41.7687, 0.3377, 0.5107



41.7687, 0.2020, 0.3867



41.7687, 0.2626, 0.1999



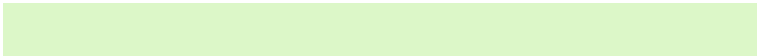
41.7687, 0.4254, 0.2717

Sweetspot

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



41.7705, 0.3377, 0.5107



86.1626, 0.3231, 0.3793



29.8595, 0.4442, 0.4176



18.7113, 0.3246, 0.3875



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.



41.7705, 0.3377, 0.5107



72.5079, 0.3362, 0.5449



39.1173, 0.2995, 0.5199



10.8408, 0.3178, 0.3523



25.6677, 0.3274, 0.5782



1.0440, 0.3471, 0.5626

Inverse Universe

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



13.7180, 0.2579, 0.1579



18.2425, 0.2423, 0.1277



18.8730, 0.3294, 0.1930



9.4906, 0.3072, 0.3059



4.7207, 0.2196, 0.0983



0.2226, 0.2437, 0.1116

Previews

White Background



This preview shows how the Yxy color 41.7687, 0.3377, 0.5107 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 41.7687, 0.3377, 0.5107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

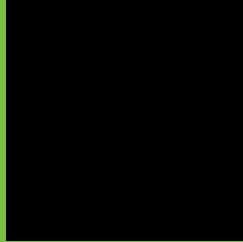
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7687, 0.3377, 0.5107

Background



This preview shows how black text looks on a background with the Yxy color 41.7687, 0.3377, 0.5107.



This preview shows how white text looks on a background with the Yxy color 41.7687, 0.3377, 0.5107.

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

41.7687, 0.3377, 0.5107

Protanopia

41.0932, 0.4184, 0.4592

Deuteranopia

41.2471, 0.4371, 0.4284



Tritanopia

41.6659, 0.2712, 0.3091

Trichromacy



Original Color

41.7687, 0.3377, 0.5107

Protanomaly

40.7524, 0.3863, 0.4791

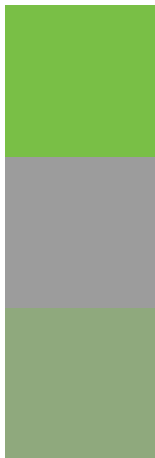
Deuteranomaly

40.4834, 0.3988, 0.4583

Tritanomaly

40.9916, 0.2981, 0.3824

Monochromacy



Original Color

41.7687, 0.3377, 0.5107

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.6962, 0.3258, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7687, 0.3377, 0.5107 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(121, 191, 70)` looks like.

```
.text, #text, p{  
    color:rgb(121, 191, 70)  
}
```

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(121, 191, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 191, 70) }
```

Border

The CSS property to change the border of an element to Yxy 41.7687, 0.3377, 0.5107 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(121, 191, 70) }
```

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

```
.border{ border-color:rgb(121, 191, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 191, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 191, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 191, 70);  
box-shadow:4px 4px 4px 4px rgb(121, 191,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7687, 0.3377, 0.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 191, 70) }
```

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

```
.background{ background-color: rgb(121,  
191, 70) }
```

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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