

Converting Colors

Yxy(47.2244, 0.3686, 0.5285)

Have a look what the booklet for
Yxy(47.2244, 0.3686, 0.5285)
contains.

Yxy(47.2827, 0.3686, 0.5284)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2827, 0.3686, 0.5284)

Conversions

Conversions Part 1

Format	Color
Hex	94C726
RGB	148, 199, 38
RGB Percent	58%, 78%, 15%
CMY	0.4197, 0.2196, 0.8512
CMYK	0.26, 0.00, 0.81, 0.22
HSL	79°, 68%, 46%
HSV	79°, 81%, 78%
XYZ	32.9834, 47.2827, 9.2167
YIQ	165.3970, 21.2850, -60.8830

Conversions

Conversions Part 2

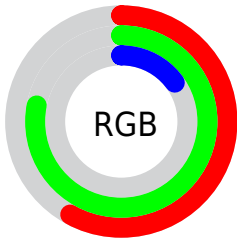
Format	Color
RYB	38, 199, 89
Decimal	9750310
CIELab	74.37, -38.16, 68.00
CIELCh	74, 77.974, 119.304
Yxy	47.2827, 0.3686, 0.5284
Android (android.graphics.Color)	4287940390 (0xFF94C726)
YUV	165.3970, -62.8067, -15.2572
Hunter-Lab	68.7624, -34.7129, 40.1866

Details

The Yxy color **47.2827, 0.3686, 0.5284** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **7.6292, 0.1952, 0.0985**, and the grayscale version is **38.1249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5237, 0.3652, 0.4925**, and **22.5261, 0.3577, 0.5542** is the 20% darker color. If you saturate the color by 10%, you get **46.6171, 0.3672, 0.5411**, and if you desaturate by 10%, it is **48.0531, 0.3675, 0.5109**.

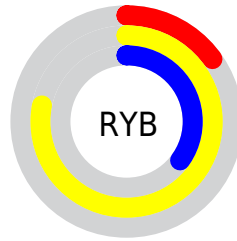
Distribution



Red (58%)

Green (78%)

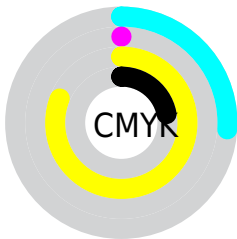
Blue (15%)



Red (15%)

Yellow (78%)

Blue (35%)

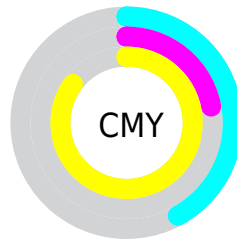


Cyan (26%)

Magenta (0%)

Yellow (81%)

Black (22%)



Cyan (42%)

Magenta (22%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2827, 0.3686, 0.5284 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 47.2827, 0.3686, 0.5284 by changing the saturation by 10% instead.


 47.2827, 0.3686,
0.5284


 47.2827, 0.3686,
0.5284

375.9418, 0.3498,
0.4280

 33.2592, 0.3693,
0.5514


 86.1355, 0.3646,
0.4929


 22.3251, 0.3676,
0.5789


 111.7335, 0.3622,
0.4792

 14.0960, 0.3617,
0.6124


 141.9585, 0.3598,
0.4675

 8.1874, 0.3473,
0.6527

 177.1949, 0.3575,
0.4574

 4.2151, 0.3114,
0.6886

 217.8270, 0.3554,
0.4485

 1.7946, 0.2444,
0.7556

 264.2393, 0.3534,

 0.4838, 0.0000,

0.4408

1.0000

316.8161, 0.3515,
0.4340

■ 0.0000, 0.0000,
0.0000

■ 47.2827, 0.3686,
0.5284

■ 47.2827, 0.3686,
0.5284

■ 46.6171, 0.3672,
0.5411

■ 48.0531, 0.3675,
0.5109

■ 46.0819, 0.3642,
0.5490

■ 48.9321, 0.3640,
0.4892

■ 49.9304, 0.3583,
0.4643

■ 51.0554, 0.3509,
0.4375

■ 52.3141, 0.3423,
0.4099

■ 53.7126, 0.3329,
0.3825

■ 55.2568, 0.3232,
0.3561

■ 56.9520, 0.3136,
0.3312

■ 58.8034, 0.3042,
0.3081

Harmonies

Analogous

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



47.2827, 0.4574, 0.4777



47.2827, 0.3686, 0.5284



47.2827, 0.2712, 0.5028

Triad

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



47.2827, 0.3686, 0.5284



47.2827, 0.1411, 0.2052



47.2827, 0.4379, 0.2665

Complementary

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



47.2827, 0.3686, 0.5284



7.6292, 0.1952, 0.0985

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.



47.2827, 0.3267, 0.2134



47.2827, 0.3686, 0.5284



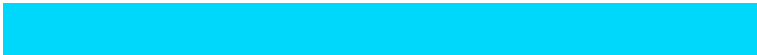
47.2827, 0.1679, 0.1779

Square

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



47.2827, 0.3686, 0.5284



47.2827, 0.1470, 0.2751



47.2827, 0.2294, 0.1823



47.2827, 0.5119, 0.3324

Rectangle

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



47.2827, 0.3686, 0.5284



47.2827, 0.2137, 0.4338



47.2827, 0.2294, 0.1823



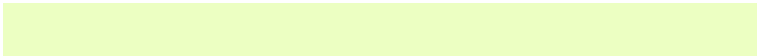
47.2827, 0.4022, 0.2469

Sweetspot

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



47.2848, 0.3686, 0.5284



93.1726, 0.3362, 0.3918



19.4193, 0.5385, 0.3806



19.7538, 0.3395, 0.4017



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.



47.2848, 0.3686, 0.5284



80.8418, 0.3647, 0.5474



42.2004, 0.3121, 0.5697



12.2420, 0.3217, 0.3522



29.6775, 0.3650, 0.5484



1.4427, 0.3766, 0.5391

Inverse Universe

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



7.6292, 0.1952, 0.0985



9.3649, 0.1736, 0.0740



13.9951, 0.2839, 0.1446



10.4478, 0.3031, 0.3055



3.3737, 0.1731, 0.0727



0.1988, 0.1970, 0.0859

Previews

White Background



This preview shows how the Yxy color 47.2827, 0.3686, 0.5284 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 47.2827, 0.3686, 0.5284 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 47.2827, 0.3686, 0.5284

Background



This preview shows how black text looks on a background with the Yxy color 47.2827, 0.3686, 0.5284.



This preview shows how white text looks on a background with the Yxy color 47.2827, 0.3686, 0.5284.

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

47.2827, 0.3686, 0.5284

Protanopia

46.9616, 0.4340, 0.4807

Deuteranopia

46.7931, 0.4585, 0.4481



Tritanopia

46.9750, 0.2864, 0.3093

Trichromacy



Original Color

47.2827, 0.3686, 0.5284

Protanomaly

46.7069, 0.4090, 0.4992

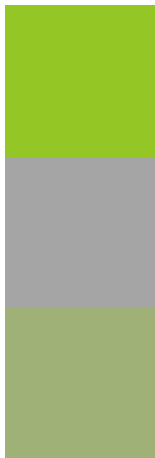
Deuteranomaly

45.9405, 0.4260, 0.4766

Tritanomaly

46.1209, 0.3241, 0.3984

Monochromacy



Original Color

47.2827, 0.3686, 0.5284

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

40.1471, 0.3440, 0.4141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2827, 0.3686, 0.5284 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(148, 199, 38)` looks like.

```
.text, #text, p{  
    color:rgb(148, 199, 38)  
}
```

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(148, 199, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 199, 38) }
```

Border

The CSS property to change the border of an element to Yxy 47.2827, 0.3686, 0.5284 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(148, 199, 38) }
```

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

```
.border{ border-color:rgb(148, 199, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 199, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 199, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 199, 38);  
box-shadow:4px 4px 4px 4px rgb(148, 199,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2827, 0.3686, 0.5284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 199, 38) }
```

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

```
.background{ background-color: rgb(148,  
199, 38) }
```

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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