

Converting Colors

Yxy(41.8304, 0.3350, 0.5609)

Have a look what the booklet for
Yxy(41.8304, 0.3350, 0.5609)
contains.

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Color

Yxy(41.8141, 0.3350, 0.5612)

Conversions

Conversions Part 1

Format	Color
Hex	64C31A
RGB	100, 195, 26
RGB Percent	39%, 76%, 10%
CMY	0.6077, 0.2353, 0.8979
CMYK	0.49, 0.00, 0.87, 0.24
HSL	94°, 76%, 43%
HSV	94°, 87%, 76%
XYZ	24.9603, 41.8141, 7.7340
YIQ	147.3290, -2.3710, -72.6990

Conversions

Conversions Part 2

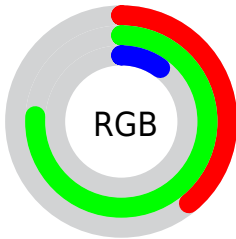
Format	Color
R_{YB}	26, 195, 121
Decimal	6603546
CIE Lab	70.74, -53.70, 66.73
CIE LCh	71, 85.653, 128.826
Yxy	41.8141, 0.3350, 0.5612
Android (android.graphics.Color)	4284793626 (0xFF64C31A)
YUV	147.3290, -59.8152, -41.5075
Hunter-Lab	64.6638, -44.2605, 38.1734

Details

The Yxy color **41.8141, 0.3350, 0.5612** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **8.7449, 0.2286, 0.1104**, and the grayscale version is **29.5805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7299, 0.3382, 0.5159**, and **19.0795, 0.3103, 0.5918** is the 20% darker color. If you saturate the color by 10%, you get **41.1717, 0.3301, 0.5739**, and if you desaturate by 10%, it is **42.6026, 0.3382, 0.5426**.

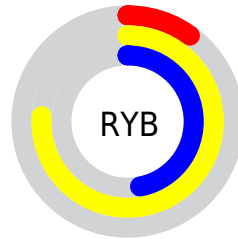
Distribution



Red (39%)

Green (76%)

Blue (10%)



Red (10%)

Yellow (76%)

Blue (47%)

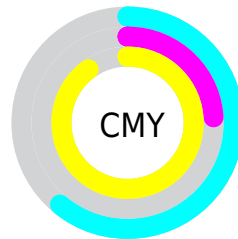


Cyan (49%)

Magenta (0%)

Yellow (87%)

Black (24%)



Cyan (61%)


Magenta (24%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8141, 0.3350, 0.5612 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 41.8141, 0.3350, 0.5612 by changing the saturation by 10% instead.


 41.8141, 0.3350,
0.5612

 41.8141, 0.3350,
0.5612


353.7117, 0.3345,
0.4382


 28.9558, 0.3303,
0.5913


 77.9182, 0.3382,
0.5163


 19.0474, 0.3212,
0.6281


 101.9327, 0.3383,
0.4993

 11.7045, 0.3068,
0.6790


 130.4348, 0.3380,
0.4850

 6.5428, 0.2727,
0.7273

 163.8088, 0.3374,
0.4728

 3.1779, 0.2153,
0.7847

 202.4391, 0.3367,
0.4623

 1.2253, 0.0000,
1.0000

 246.7101, 0.3360,

 0.0822, 0.0000,

0.4532

1.0000

297.0061, 0.3352,
0.4452

■ 0.0000, 0.0000,
0.0000

■ 41.8141, 0.3350,
0.5612

■ 41.8141, 0.3350,
0.5612

■ 41.1717, 0.3301,
0.5739

■ 42.6026, 0.3382,
0.5426

■ 40.9801, 0.3283,
0.5775

■ 43.5461, 0.3394,
0.5187

■ 44.6578, 0.3386,
0.4910

■ 45.9478, 0.3361,
0.4611

■ 47.4253, 0.3323,
0.4305

■ 49.0985, 0.3275,
0.4004

■ 50.9754, 0.3221,
0.3719

■ 53.0632, 0.3165,
0.3454

■ 55.3690, 0.3108,
0.3212

Harmonies

Analogous

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



41.8141, 0.4394, 0.5147



41.8141, 0.3350, 0.5612



41.8141, 0.2305, 0.4986

Triad

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



41.8141, 0.3350, 0.5612



41.8141, 0.1295, 0.1765



41.8141, 0.4898, 0.2794

Complementary

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



41.8141, 0.3350, 0.5612



8.7449, 0.2286, 0.1104

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.



41.8141, 0.3683, 0.2168



41.8141, 0.3350, 0.5612



41.8141, 0.1691, 0.1604

Square

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



41.8141, 0.3350, 0.5612



41.8141, 0.1237, 0.2347



41.8141, 0.2488, 0.1750



41.8141, 0.5473, 0.3518

Rectangle

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



41.8141, 0.3350, 0.5612



41.8141, 0.1752, 0.4022



41.8141, 0.2488, 0.1750



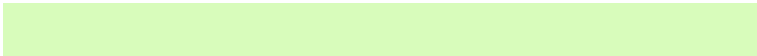
41.8141, 0.4534, 0.2569

Sweetspot

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



41.8159, 0.3350, 0.5612



88.0157, 0.3274, 0.3997



24.8618, 0.5016, 0.4259



19.0330, 0.3292, 0.4102



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.



41.8159, 0.3350, 0.5612



73.2553, 0.3273, 0.5783



39.3681, 0.2990, 0.5816



11.4698, 0.3181, 0.3523



26.6831, 0.3293, 0.5767



1.1936, 0.3474, 0.5624

Inverse Universe

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



8.7449, 0.2286, 0.1104



12.7972, 0.2132, 0.0948



15.9109, 0.3317, 0.1660



10.0209, 0.3069, 0.3058



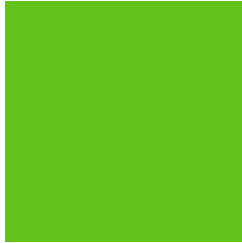
4.7490, 0.2159, 0.0963



0.2454, 0.2389, 0.1090

Previews

White Background



This preview shows how the Yxy color 41.8141, 0.3350, 0.5612 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 41.8141, 0.3350, 0.5612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

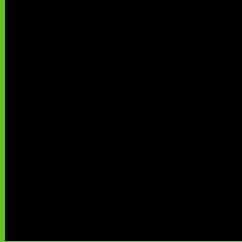
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8141, 0.3350, 0.5612

Background



This preview shows how black text looks on a background with the Yxy color 41.8141, 0.3350, 0.5612.



This preview shows how white text looks on a background with the Yxy color 41.8141, 0.3350, 0.5612.

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

41.8141, 0.3350, 0.5612

Protanopia

41.0214, 0.4381, 0.4842

Deuteranopia

40.9906, 0.4596, 0.4495



Tritanopia

41.3932, 0.2594, 0.3073

Trichromacy



Original Color

41.8141, 0.3350, 0.5612

Protanomaly

40.1740, 0.3969, 0.5149

Deuteranomaly

39.8051, 0.4102, 0.4926

Tritanomaly

40.5520, 0.2952, 0.4118

Monochromacy



Original Color

41.8141, 0.3350, 0.5612

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

32.2760, 0.3326, 0.4306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8141, 0.3350, 0.5612 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(100, 195, 26)` looks like.

```
.text, #text, p{  
    color:rgb(100, 195, 26)  
}
```

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(100, 195, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 195, 26) }
```

Border

The CSS property to change the border of an element to Yxy 41.8141, 0.3350, 0.5612 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(100, 195, 26) }
```

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

```
.border{ border-color:rgb(100, 195, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 195, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 195, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 195, 26);  
box-shadow:4px 4px 4px 4px rgb(100, 195,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8141, 0.3350, 0.5612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 195, 26) }
```

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

```
.background{ background-color: rgb(100,  
195, 26) }
```

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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