

Converting Colors

$Y_{xy}(41.6755, 0.3669, 0.5385)$

Have a look what the booklet for
Yxy(41.6755, 0.3669, 0.5385)
contains.

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Color

Yxy(41.6040, 0.3669, 0.5387)

Conversions

Conversions Part 1

Format	Color
Hex	87BD16
RGB	135, 189, 22
RGB Percent	53%, 74%, 9%
CMY	0.4705, 0.2588, 0.9141
CMYK	0.29, 0.00, 0.88, 0.26
HSL	79°, 79%, 41%
HSV	79°, 88%, 74%
XYZ	28.3358, 41.6040, 7.2905
YIQ	153.8160, 21.4230, -63.3850

Conversions

Conversions Part 2

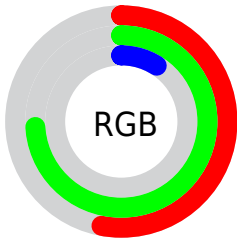
Format	Color
RYB	22, 189, 76
Decimal	8895766
CIELab	70.60, -39.25, 68.09
CIELCh	71, 78.592, 119.958
Yxy	41.6040, 0.3669, 0.5387
Android (android.graphics.Color)	4287085846 (0xFF87BD16)
YUV	153.8160, -64.9853, -16.5016
Hunter-Lab	64.5012, -34.4607, 38.4493

Details

The Yxy color **41.6040, 0.3669, 0.5387** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **5.7761, 0.1862, 0.0864**, and the grayscale version is **32.5115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9371, 0.3640, 0.5006**, and **18.9476, 0.3494, 0.5608** is the 20% darker color. If you saturate the color by 10%, you get **41.0627, 0.3639, 0.5483**, and if you desaturate by 10%, it is **42.2282, 0.3677, 0.5246**.

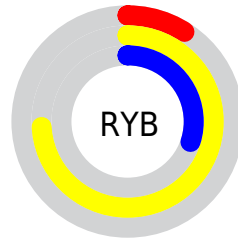
Distribution



Red (53%)

Green (74%)

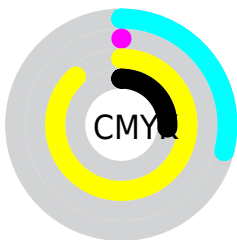
Blue (9%)



Red (9%)

Yellow (74%)

Blue (30%)

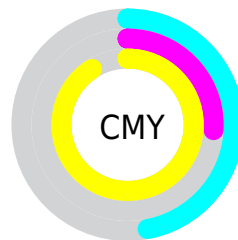


Cyan (29%)

Magenta (0%)

Yellow (88%)

Black (26%)



Cyan (47%)


Magenta (26%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6040, 0.3669, 0.5387 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 41.6040, 0.3669, 0.5387 by changing the saturation by 10% instead.


 41.6040, 0.3669,
0.5387


 41.6040, 0.3669,
0.5387


352.8387, 0.3495,
0.4310


 28.7913, 0.3665,
0.5637


 77.5999, 0.3638,
0.5003

 18.9230, 0.3629,
0.5935

 101.5520, 0.3616,
0.4855

 11.6147, 0.3570,
0.6357


 129.9860, 0.3593,
0.4729

 6.4819, 0.3311,
0.6689

 163.2863, 0.3571,
0.4621

 3.1402, 0.2872,
0.7128

 201.8374, 0.3550,
0.4527

 1.2054, 0.1152,
0.8848

 246.0235, 0.3530,

 0.0661, 0.0000,

0.4446

1.0000

296.2292, 0.3512,
0.4373

■ 0.0000, 0.0000,
0.0000

■ 41.6040, 0.3669,
0.5387

■ 41.6040, 0.3669,
0.5387

■ 41.0627, 0.3639,
0.5483

■ 42.2282, 0.3677,
0.5246

■ 40.9806, 0.3634,
0.5497

■ 42.9433, 0.3660,
0.5058

■ 43.7596, 0.3620,
0.4830

■ 44.6845, 0.3559,
0.4575

■ 45.7244, 0.3483,
0.4303

■ 46.8851, 0.3396,
0.4027

■ 48.1722, 0.3302,
0.3756

■ 49.5906, 0.3207,
0.3496

■ 51.1451, 0.3112,
0.3252

Harmonies

Analogous

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



41.6040, 0.4601, 0.4839



41.6040, 0.3669, 0.5387



41.6040, 0.2659, 0.5116

Triad

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



41.6040, 0.3669, 0.5387



41.6040, 0.1350, 0.1985



41.6040, 0.4465, 0.2648

Complementary

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



41.6040, 0.3669, 0.5387



5.7761, 0.1862, 0.0864

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.



41.6040, 0.3295, 0.2098



41.6040, 0.3669, 0.5387



41.6040, 0.1632, 0.1718

Square

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



41.6040, 0.3669, 0.5387



41.6040, 0.1399, 0.2694



41.6040, 0.2273, 0.1772



41.6040, 0.5225, 0.3325

Rectangle

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



41.6040, 0.3669, 0.5387



41.6040, 0.2068, 0.4369



41.6040, 0.2273, 0.1772



41.6040, 0.4090, 0.2445

Sweetspot

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



41.6058, 0.3669, 0.5387



84.1858, 0.3387, 0.4000



15.8840, 0.5615, 0.3774



17.9444, 0.3418, 0.4094



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.6058, 0.3669, 0.5387



73.2605, 0.3625, 0.5503



37.1976, 0.3098, 0.5824



10.9619, 0.3216, 0.3520



27.6153, 0.3641, 0.5491



1.1155, 0.3777, 0.5383

Inverse Universe

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



5.7761, 0.1862, 0.0864



8.2461, 0.1716, 0.0719



11.5507, 0.2804, 0.1370



9.3710, 0.3033, 0.3056



3.1778, 0.1742, 0.0733



0.1606, 0.2024, 0.0889

Previews

White Background



This preview shows how the Yxy color 41.6040, 0.3669, 0.5387 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 41.6040, 0.3669, 0.5387 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 41.6040, 0.3669, 0.5387

Background



This preview shows how black text looks on a background with the Yxy color 41.6040, 0.3669, 0.5387.



This preview shows how white text looks on a background with the Yxy color 41.6040, 0.3669, 0.5387.

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

41.6040, 0.3669, 0.5387

Protanopia

41.0118, 0.4387, 0.4850

Deuteranopia

40.9534, 0.4617, 0.4522



Tritanopia

41.5407, 0.2828, 0.3095

Trichromacy



Original Color

41.6040, 0.3669, 0.5387

Protanomaly

40.7687, 0.4121, 0.5051

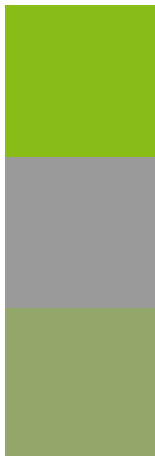
Deuteranomaly

40.1853, 0.4275, 0.4835

Tritanomaly

40.7437, 0.3234, 0.4074

Monochromacy



Original Color

41.6040, 0.3669, 0.5387

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.8811, 0.3461, 0.4243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6040, 0.3669, 0.5387 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(135, 189, 22)` looks like.

```
.text, #text, p{  
    color:rgb(135, 189, 22)  
}
```

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(135, 189, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 189, 22) }
```

Border

The CSS property to change the border of an element to Yxy 41.6040, 0.3669, 0.5387 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(135, 189, 22) }
```

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

```
.border{ border-color:rgb(135, 189, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 189, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 189, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 189, 22);  
box-shadow:4px 4px 4px 4px rgb(135, 189,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6040, 0.3669, 0.5387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 189, 22) }
```

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

```
.background{ background-color: rgb(135,  
189, 22) }
```

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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