

Converting Colors

$Y_{xy}(41.6035, 0.3727, 0.5238)$

Have a look what the booklet for
Yxy(41.6035, 0.3727, 0.5238)
contains.

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Color

Yxy(41.6035, 0.3727, 0.5238)

Conversions

Conversions Part 1

Format	Color
Hex	90BB25
RGB	144, 187, 37
RGB Percent	56%, 73%, 15%
CMY	0.4354, 0.2666, 0.8549
CMYK	0.23, 0.00, 0.80, 0.27
HSL	77°, 67%, 44%
HSV	77°, 80%, 73%
XYZ	29.6022, 41.6035, 8.2206
YIQ	157.0430, 22.5220, -55.7660

Conversions

Conversions Part 2

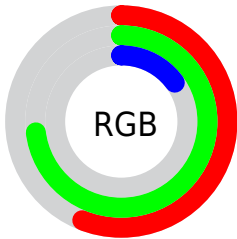
Format	Color
RYB	37, 187, 80
Decimal	9485093
CIELab	70.60, -34.34, 64.77
CIELCh	71, 73.314, 117.931
Yxy	41.6035, 0.3727, 0.5238
Android (android.graphics.Color)	4287675173 (0xFF90BB25)
YUV	157.0430, -59.1812, -11.4387
Hunter-Lab	64.5008, -30.9550, 37.5940

Details

The Yxy color **41.6035, 0.3727, 0.5238** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **6.6197, 0.1927, 0.0985**, and the grayscale version is **34.0003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3632, 0.3674, 0.4880**, and **19.1249, 0.3616, 0.5511** is the 20% darker color. If you saturate the color by 10%, you get **41.0448, 0.3720, 0.5364**, and if you desaturate by 10%, it is **42.2490, 0.3709, 0.5065**.

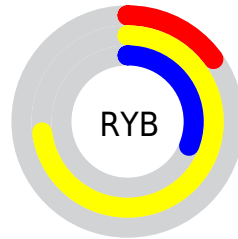
Distribution



Red (56%)

Green (73%)

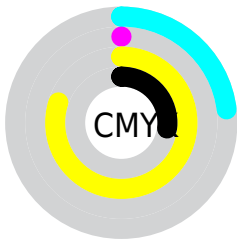
Blue (15%)



Red (15%)

Yellow (73%)

Blue (31%)

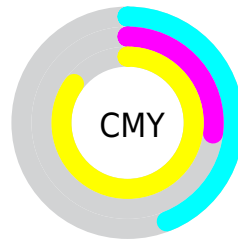


Cyan (23%)

Magenta (0%)

Yellow (80%)

Black (27%)



Cyan (44%)


Magenta (27%)


Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6035, 0.3727, 0.5238 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 41.6035, 0.3727, 0.5238 by changing the saturation by 10% instead.


 41.6035, 0.3727,
0.5238


 41.6035, 0.3727,
0.5238


352.8366, 0.3508,
0.4239


 28.7909, 0.3741,
0.5471


 77.5992, 0.3675,
0.4882


 18.9227, 0.3730,
0.5751

 101.5511, 0.3647,
0.4745


 11.6145, 0.3689,
0.6119


 129.9849, 0.3619,
0.4628

 6.4817, 0.3513,
0.6487

 163.2851, 0.3594,
0.4528

 3.1402, 0.3127,
0.6873

 201.8359, 0.3570,
0.4441

 1.2053, 0.1867,
0.8133

 246.0219, 0.3547,

 0.0661, 0.0000,

0.4365

1.0000

296.2273, 0.3527,
0.4299

■ 0.0000, 0.0000,
0.0000

■ 41.6035, 0.3727,
0.5238

■ 41.6035, 0.3727,
0.5238

■ 41.0448, 0.3720,
0.5364

■ 42.2490, 0.3709,
0.5065

■ 40.5603, 0.3694,
0.5449

■ 42.9842, 0.3666,
0.4851

■ 43.8180, 0.3602,
0.4607

■ 44.7568, 0.3522,
0.4343

■ 45.8062, 0.3430,
0.4072

■ 46.9714, 0.3331,
0.3802

■ 48.2573, 0.3230,
0.3541

■ 49.6685, 0.3129,
0.3295

■ 51.2092, 0.3032,
0.3066

Harmonies

Analogous

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



41.6035, 0.4591, 0.4729



41.6035, 0.3727, 0.5238



41.6035, 0.2766, 0.5024

Triad

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



41.6035, 0.3727, 0.5238



41.6035, 0.1430, 0.2094



41.6035, 0.4311, 0.2649

Complementary

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



41.6035, 0.3727, 0.5238



6.6197, 0.1927, 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.



41.6035, 0.3216, 0.2132



41.6035, 0.3727, 0.5238



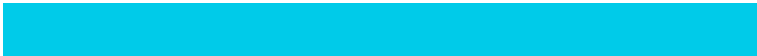
41.6035, 0.1680, 0.1806

Square

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



41.6035, 0.3727, 0.5238



41.6035, 0.1506, 0.2807



41.6035, 0.2272, 0.1836



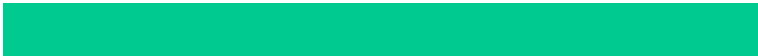
41.6035, 0.5064, 0.3297

Rectangle

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



41.6035, 0.3727, 0.5238



41.6035, 0.2191, 0.4371



41.6035, 0.2272, 0.1836



41.6035, 0.3956, 0.2457

Sweetspot

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



41.6054, 0.3727, 0.5238



83.2175, 0.3373, 0.3914



16.3656, 0.5416, 0.3746



18.1629, 0.3408, 0.4011



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.



41.6054, 0.3727, 0.5238



72.8489, 0.3700, 0.5427



36.9626, 0.3151, 0.5655



10.9793, 0.3221, 0.3520



27.9811, 0.3700, 0.5444



1.1277, 0.3823, 0.5346

Inverse Universe

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



6.6197, 0.1927, 0.0985



8.1899, 0.1711, 0.0730



11.8323, 0.2779, 0.1426



9.3544, 0.3027, 0.3056



3.0382, 0.1696, 0.0708



0.1535, 0.1971, 0.0860

Previews

White Background



This preview shows how the Yxy color 41.6035, 0.3727, 0.5238 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 41.6035, 0.3727, 0.5238 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 41.6035, 0.3727, 0.5238

Background



This preview shows how black text looks on a background with the Yxy color 41.6035, 0.3727, 0.5238.



This preview shows how white text looks on a background with the Yxy color 41.6035, 0.3727, 0.5238.

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

41.6035, 0.3727, 0.5238

Protanopia

41.4663, 0.4336, 0.4799

Deuteranopia

41.0151, 0.4582, 0.4478



Tritanopia

41.3765, 0.2897, 0.3097

Trichromacy



Original Color

41.6035, 0.3727, 0.5238

Protanomaly

41.1864, 0.4112, 0.4964

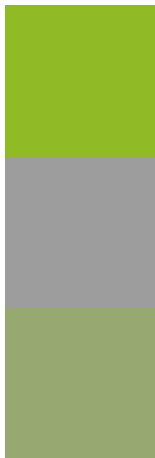
Deuteranomaly

40.6417, 0.4264, 0.4753

Tritanomaly

40.8037, 0.3277, 0.3970

Monochromacy



Original Color

41.6035, 0.3727, 0.5238

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.8729, 0.3449, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6035, 0.3727, 0.5238 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(144, 187, 37)` looks like.

```
.text, #text, p{  
    color:rgb(144, 187, 37)  
}
```

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(144, 187, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 187, 37) }
```

Border

The CSS property to change the border of an element to Yxy 41.6035, 0.3727, 0.5238 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(144, 187, 37) }
```

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

```
.border{ border-color:rgb(144, 187, 37) }
```

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

Here you see how a box with a 4 pixel rgb(144, 187, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 187, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 187, 37);  
box-shadow:4px 4px 4px 4px rgb(144, 187,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6035, 0.3727, 0.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 187, 37) }
```

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

```
.background{ background-color: rgb(144,  
187, 37) }
```

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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