

Converting Colors

$Y_{xy}(41.1029, 0.3358, 0.5195)$

Have a look what the booklet for
Yxy(41.1029, 0.3358, 0.5195)
contains.

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Color

Yxy(41.2766, 0.3357, 0.5204)

Conversions

Conversions Part 1

Format	Color
Hex	73BF40
RGB	115, 191, 64
RGB Percent	45%, 75%, 25%
CMY	0.5490, 0.2510, 0.7490
CMYK	0.40, 0.00, 0.66, 0.25
HSL	96°, 50%, 50%
HSV	96°, 66%, 75%
XYZ	26.6267, 41.2766, 11.4137
YIQ	153.7980, -4.5290, -55.6090

Conversions

Conversions Part 2

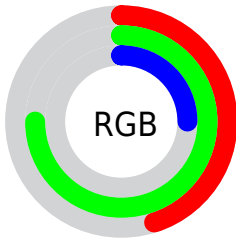
Format	Color
RYB	64, 191, 140
Decimal	7585600
CIELab	70.37, -45.12, 54.61
CIELCh	70, 70.838, 129.563
Yxy	41.2766, 0.3357, 0.5204
Android (android.graphics.Color)	4285775680 (0xFF73BF40)
YUV	153.7980, -44.2704, -34.0258
Hunter-Lab	64.2469, -38.4537, 34.4397

Details

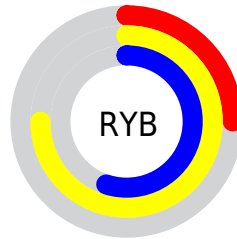
The Yxy color **41.2766, 0.3357, 0.5204** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **13.0040, 0.2573, 0.1517**, and the grayscale version is **32.4221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2135, 0.3360, 0.4818**, and **18.7909, 0.3285, 0.5774** is the 20% darker color. If you saturate the color by 10%, you get **40.3694, 0.3342, 0.5449**, and if you desaturate by 10%, it is **42.3579, 0.3353, 0.4921**.

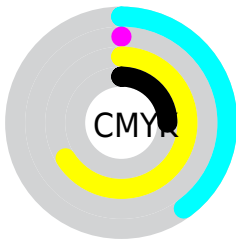
Distribution



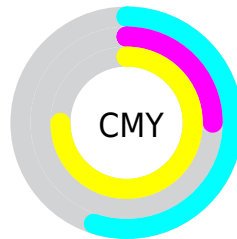
- Red (45%)
- Green (75%)
- Blue (25%)



- Red (25%)
- Yellow (75%)
- Blue (55%)



- Cyan (40%)
- Magenta (0%)
- Yellow (66%)
- Black (25%)




- Cyan (55%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2766, 0.3357, 0.5204 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 41.2766, 0.3357, 0.5204 by changing the saturation by 10% instead.

 41.2766, 0.3357,
0.5204


 41.2766, 0.3357,
0.5204

351.4753, 0.3307,
0.4180

 28.5353, 0.3339,
0.5467


 77.1036, 0.3359,
0.4823


 18.7295, 0.3295,
0.5802


 100.9581, 0.3354,
0.4681


 11.4750, 0.3198,
0.6231


 129.2857, 0.3346,
0.4563

 6.3873, 0.3061,
0.6939

 162.4709, 0.3338,
0.4463

 3.0820, 0.2556,
0.7444

 200.8981, 0.3330,
0.4377

 1.1747, 0.0000,
1.0000

244.9516, 0.3322,

 0.0409, 0.0000,

0.4303

1.0000

295.0159, 0.3314,
0.4237

■ 0.0000, 0.0000,
0.0000

■ 41.2766, 0.3357,
0.5204

■ 41.2766, 0.3357,
0.5204

■ 40.3694, 0.3342,
0.5449

■ 42.3579, 0.3353,
0.4921

■ 39.6196, 0.3309,
0.5640

■ 43.6180, 0.3333,
0.4616

■ 39.0145, 0.3259,
0.5770

■ 45.0682, 0.3300,
0.4305

■ 38.8287, 0.3241,
0.5808

■ 46.7168, 0.3258,
0.4002

■ 48.5717, 0.3211,
0.3715

■ 50.6406, 0.3160,
0.3450

■ 52.9304, 0.3109,
0.3208

■ 55.4478, 0.3059,
0.2991

■ 58.1993, 0.3011,
0.2797

Harmonies

Analogous

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



41.2766, 0.4260, 0.4936



41.2766, 0.3357, 0.5204



41.2766, 0.2443, 0.4632

Triad

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



41.2766, 0.3357, 0.5204



41.2766, 0.1527, 0.1975



41.2766, 0.4625, 0.2905

Complementary

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



41.2766, 0.3357, 0.5204



13.0040, 0.2573, 0.1517

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.



41.2766, 0.3632, 0.2336



41.2766, 0.3357, 0.5204



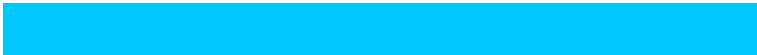
41.2766, 0.1899, 0.1820

Square

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



41.2766, 0.3357, 0.5204



41.2766, 0.1477, 0.2500



41.2766, 0.2617, 0.1953



41.2766, 0.5115, 0.3569

Rectangle

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



41.2766, 0.3357, 0.5204



41.2766, 0.1955, 0.3874



41.2766, 0.2617, 0.1953



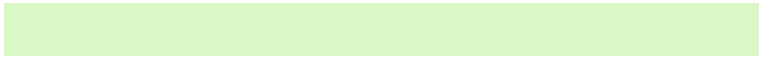
41.2766, 0.4328, 0.2700

Sweetspot

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



41.2784, 0.3357, 0.5204



85.6739, 0.3230, 0.3822



29.6485, 0.4497, 0.4231



18.6062, 0.3243, 0.3904



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.



41.2784, 0.3357, 0.5204



71.6238, 0.3328, 0.5547



38.8554, 0.2982, 0.5266



10.8316, 0.3175, 0.3523



25.5609, 0.3251, 0.5801



1.0395, 0.3449, 0.5643

Inverse Universe

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



13.0040, 0.2573, 0.1517



17.2852, 0.2414, 0.1224



18.0561, 0.3331, 0.1903



9.5000, 0.3075, 0.3059



4.8840, 0.2239, 0.1007



0.2285, 0.2471, 0.1135

Previews

White Background



This preview shows how the Yxy color 41.2766, 0.3357, 0.5204 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 41.2766, 0.3357, 0.5204 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 41.2766, 0.3357, 0.5204

Background



This preview shows how black text looks on a background with the Yxy color 41.2766, 0.3357, 0.5204.



This preview shows how white text looks on a background with the Yxy color 41.2766, 0.3357, 0.5204.

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

41.2766, 0.3357, 0.5204

Protanopia

40.5180, 0.4216, 0.4637

Deuteranopia

40.6725, 0.4405, 0.4323



Tritanopia

41.2414, 0.2677, 0.3089

Trichromacy



Original Color

41.2766, 0.3357, 0.5204

Protanomaly

39.9642, 0.3873, 0.4857

Deuteranomaly

39.6764, 0.3997, 0.4640

Tritanomaly

40.5315, 0.2956, 0.3862

Monochromacy



Original Color

41.2766, 0.3357, 0.5204

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.5934, 0.3267, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2766, 0.3357, 0.5204 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(115, 191, 64)` looks like.

```
.text, #text, p{  
    color:rgb(115, 191, 64)  
}
```

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(115, 191, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 191, 64) }
```

Border

The CSS property to change the border of an element to Yxy 41.2766, 0.3357, 0.5204 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(115, 191, 64) }
```

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

```
.border{ border-color:rgb(115, 191, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 191, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 191, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 191, 64);  
box-shadow:4px 4px 4px 4px rgb(115, 191,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2766, 0.3357, 0.5204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 191, 64) }
```

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

```
.background{ background-color: rgb(115,  
191, 64) }
```

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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