

Converting Colors

$Yxy(41.8936, 0.3483, 0.5259)$

Have a look what the booklet for
Yxy(41.8936, 0.3483, 0.5259)
contains.

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Color

Yxy(41.8786, 0.3484, 0.5261)

Conversions

Conversions Part 1

Format	Color
Hex	7DBF35
RGB	125, 191, 53
RGB Percent	49%, 75%, 21%
CMY	0.5097, 0.2510, 0.7921
CMYK	0.35, 0.00, 0.72, 0.25
HSL	89°, 57%, 48%
HSV	89°, 72%, 75%
XYZ	27.7333, 41.8786, 9.9900
YIQ	155.5340, 4.9620, -56.9100

Conversions

Conversions Part 2

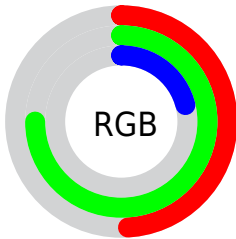
Format	Color
RYB	53, 191, 119
Decimal	8240949
CIELab	70.79, -42.45, 59.43
CIELCh	71, 73.031, 125.538
Yxy	41.8786, 0.3484, 0.5261
Android (android.graphics.Color)	4286431029 (0xFF7DBF35)
YUV	155.5340, -50.5493, -26.7783
Hunter-Lab	64.7137, -36.7520, 36.1468

Details

The Yxy color **41.8786, 0.3484, 0.5261** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **10.2293, 0.2320, 0.1298**, and the grayscale version is **33.2581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1626, 0.3471, 0.4883**, and **19.1565, 0.3387, 0.5692** is the 20% darker color. If you saturate the color by 10%, you get **41.0821, 0.3469, 0.5460**, and if you desaturate by 10%, it is **42.8120, 0.3476, 0.5018**.

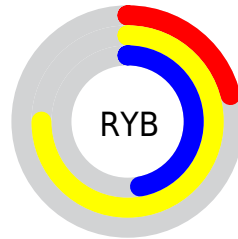
Distribution



Red (49%)

Green (75%)

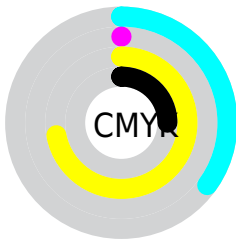
Blue (21%)



Red (21%)

Yellow (75%)

Blue (47%)

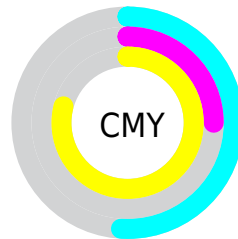


Cyan (35%)

Magenta (0%)

Yellow (72%)

Black (25%)



Cyan (51%)


Magenta (25%)


Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8786, 0.3484, 0.5261 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 41.8786, 0.3484, 0.5261 by changing the saturation by 10% instead.


 41.8786, 0.3484,
0.5261

 41.8786, 0.3484,
0.5261


353.9794, 0.3379,
0.4222

 29.0062, 0.3475,
0.5519


 78.0159, 0.3470,
0.4880


 19.0855, 0.3439,
0.5840


 102.0496, 0.3457,
0.4737

 11.7321, 0.3351,
0.6243


 130.5725, 0.3443,
0.4617

 6.5615, 0.3187,
0.6813

 163.9690, 0.3429,
0.4514

 3.1894, 0.2718,
0.7282

 202.6236, 0.3415,
0.4426

 1.2314, 0.0743,
0.9257

 246.9206, 0.3403,

 0.0871, 0.0000,

0.4349

1.0000

297.2444, 0.3390,
0.4282

■ 0.0000, 0.0000,
0.0000

■ 41.8786, 0.3484,
0.5261

■ 41.8786, 0.3484,
0.5261

■ 41.0821, 0.3469,
0.5460

■ 42.8120, 0.3476,
0.5018

■ 40.4064, 0.3433,
0.5605

■ 43.8858, 0.3448,
0.4743

■ 39.9527, 0.3395,
0.5687

■ 45.1100, 0.3404,
0.4452

■ 46.4919, 0.3347,
0.4157

■ 48.0383, 0.3282,
0.3870

■ 49.7553, 0.3213,
0.3597

■ 51.6491, 0.3143,
0.3344

■ 53.7251, 0.3074,
0.3112

■ 55.9887, 0.3007,
0.2902

Harmonies

Analogous

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



41.8786, 0.4388, 0.4888



41.8786, 0.3484, 0.5261



41.8786, 0.2539, 0.4804

Triad

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



41.8786, 0.3484, 0.5261



41.8786, 0.1471, 0.1993



41.8786, 0.4547, 0.2808

Complementary

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



41.8786, 0.3484, 0.5261



10.2293, 0.2320, 0.1298

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.



41.8786, 0.3494, 0.2250



41.8786, 0.3484, 0.5261



41.8786, 0.1803, 0.1793

Square

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



41.8786, 0.3484, 0.5261



41.8786, 0.1462, 0.2585



41.8786, 0.2484, 0.1893



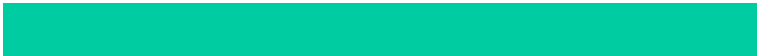
41.8786, 0.5137, 0.3473

Rectangle

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



41.8786, 0.3484, 0.5261



41.8786, 0.2013, 0.4055



41.8786, 0.2484, 0.1893



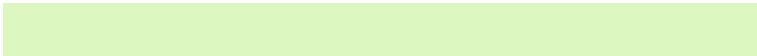
41.8786, 0.4222, 0.2605

Sweetspot

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



41.8804, 0.3484, 0.5261



86.0074, 0.3283, 0.3873



24.1503, 0.4819, 0.4078



18.7131, 0.3301, 0.3950



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.



41.8804, 0.3484, 0.5261



72.8118, 0.3449, 0.5555



38.4066, 0.3039, 0.5560



10.8879, 0.3193, 0.3522



26.3046, 0.3404, 0.5679



1.0691, 0.3586, 0.5534

Inverse Universe

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



10.2293, 0.2320, 0.1298



12.9331, 0.2111, 0.0998



16.7977, 0.3143, 0.1702



9.4431, 0.3057, 0.3058



3.9919, 0.1993, 0.0872



0.1953, 0.2265, 0.1021

Previews

White Background



This preview shows how the Yxy color 41.8786, 0.3484, 0.5261 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 41.8786, 0.3484, 0.5261 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 41.8786, 0.3484, 0.5261

Background



This preview shows how black text looks on a background with the Yxy color 41.8786, 0.3484, 0.5261.



This preview shows how white text looks on a background with the Yxy color 41.8786, 0.3484, 0.5261.

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

41.8786, 0.3484, 0.5261

Protanopia

41.4380, 0.4271, 0.4724

Deuteranopia

41.3569, 0.4488, 0.4399



Tritanopia

41.5759, 0.2747, 0.3092

Trichromacy



Original Color

41.8786, 0.3484, 0.5261

Protanomaly

41.1976, 0.3959, 0.4936

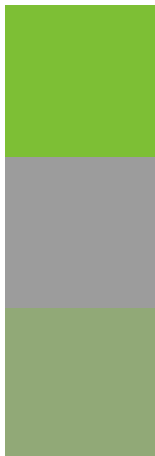
Deuteranomaly

40.5330, 0.4102, 0.4721

Tritanomaly

41.1084, 0.3064, 0.3930

Monochromacy



Original Color

41.8786, 0.3484, 0.5261

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.7276, 0.3328, 0.4072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8786, 0.3484, 0.5261 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(125, 191, 53)` looks like.

```
.text, #text, p{  
    color:rgb(125, 191, 53)  
}
```

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(125, 191, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 191, 53) }
```

Border

The CSS property to change the border of an element to Yxy 41.8786, 0.3484, 0.5261 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(125, 191, 53) }
```

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

```
.border{ border-color:rgb(125, 191, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 191, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 191, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 191, 53);  
box-shadow:4px 4px 4px 4px rgb(125, 191,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8786, 0.3484, 0.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 191, 53) }
```

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

```
.background{ background-color: rgb(125,  
191, 53) }
```

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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