

Converting Colors

$Y_{xy}(41.3798, 0.3761, 0.4545)$

Have a look what the booklet for
Yxy(41.3798, 0.3761, 0.4545)
contains.

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Color

Yxy(41.3798, 0.3761, 0.4545)

Conversions

Conversions Part 1

Format	Color
Hex	A9B358
RGB	169, 179, 88
RGB Percent	66%, 70%, 35%
CMY	0.3373, 0.2980, 0.6547
CMYK	0.06, 0.00, 0.51, 0.30
HSL	67°, 37%, 52%
HSV	67°, 51%, 70%
XYZ	34.2419, 41.3798, 15.4230
YIQ	165.6360, 23.2510, -30.4210

Conversions

Conversions Part 2

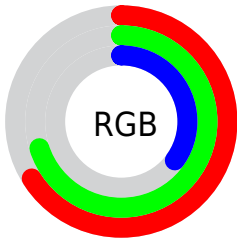
Format	Color
RYB	88, 179, 98
Decimal	11121496
CIELab	70.44, -16.82, 44.78
CIELCh	70, 47.834, 110.581
Yxy	41.3798, 0.3761, 0.4545
Android (android.graphics.Color)	4289311576 (0xFFA9B358)
YUV	165.6360, -38.2745, 2.9502
Hunter-Lab	64.3271, -17.5554, 30.8137

Details

The Yxy color $41.3798, 0.3761, 0.4545$ is a dark color, and the websafe version is hex `CCCC66`. A complement of this color would be $12.8414, 0.2260, 0.1741$, and the grayscale version is $38.1293, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.4789, 0.3664, 0.4314$, and $18.7001, 0.3897, 0.4903$ is the 20% darker color. If you saturate the color by 10%, you get $40.9038, 0.3855, 0.4754$, and if you desaturate by 10%, it is $41.9357, 0.3650, 0.4311$.

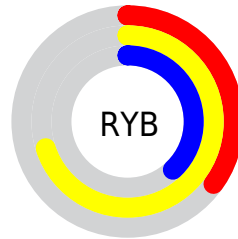
Distribution



Red (66%)

Green (70%)

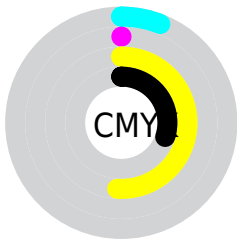
Blue (35%)



Red (35%)

Yellow (70%)

Blue (38%)

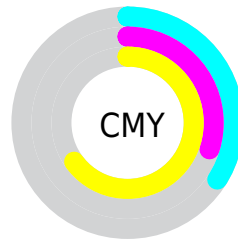


Cyan (6%)

Magenta (0%)

Yellow (51%)

Black (30%)



Cyan (34%)


Magenta (30%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3798, 0.3761, 0.4545 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 41.3798, 0.3761, 0.4545 by changing the saturation by 10% instead.


 41.3798, 0.3761,
0.4545


 41.3798, 0.3761,
0.4545


351.9055, 0.3466,
0.3900

 28.6160, 0.3821,
0.4705


 77.2601, 0.3662,
0.4310

 18.7905, 0.3888,
0.4905


 101.1454, 0.3623,
0.4222

 11.5190, 0.3956,
0.5160


 129.5066, 0.3588,
0.4147

 6.4171, 0.4026,
0.5511

 162.7281, 0.3557,
0.4083

 3.1003, 0.4036,
0.5964

201.1944, 0.3531,
0.4028

 1.1843, 0.3675,
0.6325

245.2898, 0.3507,

 0.0488, 0.0000,

0.3980

1.0000

295.3987, 0.3485,
0.3937

■ 0.0000, 0.0000,
0.0000

■ 41.3798, 0.3761,
0.4545

■ 41.3798, 0.3761,
0.4545

■ 40.9038, 0.3855,
0.4754

■ 41.9357, 0.3650,
0.4311

■ 40.4966, 0.3928,
0.4929

■ 42.5707, 0.3527,
0.4061

■ 40.1540, 0.3976,
0.5063

■ 43.2913, 0.3397,
0.3806

■ 39.8684, 0.3998,
0.5153

■ 44.1015, 0.3266,
0.3553

■ 39.6427, 0.4001,
0.5205

■ 45.0051, 0.3138,
0.3309

■ 46.0059, 0.3014,
0.3079

■ 47.1072, 0.2897,
0.2863

■ 48.3124, 0.2787,
0.2665

■ 49.6244, 0.2686,
0.2484

Harmonies

Analogous

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



41.3798, 0.4288, 0.4239



41.3798, 0.3761, 0.4545



41.3798, 0.3096, 0.4456

Triad

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



41.3798, 0.3761, 0.4545



41.3798, 0.1912, 0.2596



41.3798, 0.3746, 0.2756

Complementary

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



41.3798, 0.3761, 0.4545



12.8414, 0.2260, 0.1741

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.



41.3798, 0.3033, 0.2403



41.3798, 0.3761, 0.4545



41.3798, 0.2038, 0.2285

Square

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



41.3798, 0.3761, 0.4545



41.3798, 0.2056, 0.3177



41.3798, 0.2422, 0.2232



41.3798, 0.4315, 0.3230

Rectangle

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



41.3798, 0.3761, 0.4545



41.3798, 0.2665, 0.4130



41.3798, 0.2422, 0.2232



41.3798, 0.3510, 0.2621

Sweetspot

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



41.3817, 0.3761, 0.4545



78.3126, 0.3324, 0.3665



18.8646, 0.4473, 0.3424



17.2835, 0.3352, 0.3717



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



41.3817, 0.3761, 0.4545



73.1551, 0.3865, 0.4777



37.2658, 0.3342, 0.4743



9.8582, 0.3247, 0.3516



28.0279, 0.4004, 0.5203



0.8953, 0.4060, 0.5158

Inverse Universe

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



12.8414, 0.2260, 0.1741



16.2964, 0.2040, 0.1372



16.0469, 0.2742, 0.1922



8.2735, 0.3001, 0.3056



2.4178, 0.1545, 0.0625



0.0905, 0.1714, 0.0718

Previews

White Background



This preview shows how the Yxy color 41.3798, 0.3761, 0.4545 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 41.3798, 0.3761, 0.4545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

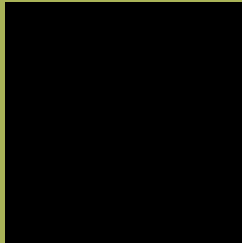
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3798, 0.3761, 0.4545

Background



This preview shows how black text looks on a background with the Yxy color 41.3798, 0.3761, 0.4545.



This preview shows how white text looks on a background with the Yxy color 41.3798, 0.3761, 0.4545.

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

41.3798, 0.3761, 0.4545

Protanopia

41.1241, 0.4027, 0.4396

Deuteranopia

41.1725, 0.4245, 0.4155



Tritanopia

41.3370, 0.3108, 0.3117

Trichromacy



Original Color

41.3798, 0.3761, 0.4545

Protanomaly

41.2931, 0.3920, 0.4454

Deuteranomaly

40.8670, 0.4069, 0.4282

Tritanomaly

41.1392, 0.3358, 0.3639

Monochromacy



Original Color

41.3798, 0.3761, 0.4545

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.1763, 0.3373, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3798, 0.3761, 0.4545 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(169, 179, 88)` looks like.

```
.text, #text, p{  
    color:rgb(169, 179, 88)  
}
```

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(169, 179, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 179, 88) }
```

Border

The CSS property to change the border of an element to Yxy 41.3798, 0.3761, 0.4545 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(169, 179, 88) }
```

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

```
.border{ border-color:rgb(169, 179, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 179, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 179, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 179, 88);  
box-shadow:4px 4px 4px 4px rgb(169, 179,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3798, 0.3761, 0.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 179, 88) }
```

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

```
.background{ background-color: rgb(169,  
179, 88) }
```

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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