

Converting Colors

$Y_{xy}(41.0003, 0.3918, 0.4780)$

Have a look what the booklet for
Yxy(41.0003, 0.3918, 0.4780)
contains.

Yxy(41.1679, 0.3913, 0.4787)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.1679, 0.3913, 0.4787)

Conversions

Conversions Part 1

Format	Color
Hex	AAB341
RGB	170, 179, 65
RGB Percent	67%, 70%, 25%
CMY	0.3334, 0.2980, 0.7449
CMYK	0.05, 0.00, 0.64, 0.30
HSL	65°, 47%, 48%
HSV	65°, 64%, 70%
XYZ	33.6516, 41.1679, 11.1799
YIQ	163.3130, 31.2300, -37.3620

Conversions

Conversions Part 2

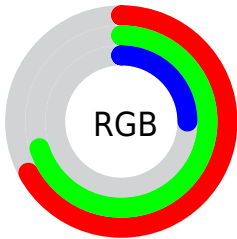
Format	Color
RYB	65, 179, 74
Decimal	11187009
CIELab	70.29, -18.23, 55.13
CIElCh	70, 58.066, 108.303
Yxy	41.1679, 0.3913, 0.4787
Android (android.graphics.Color)	4289377089 (0xFFAAB341)
YUV	163.3130, -48.4683, 5.8645
Hunter-Lab	64.1622, -18.6649, 34.5826

Details

The Yxy color **41.1679, 0.3913, 0.4787** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.4989, 0.1979, 0.1308**, and the grayscale version is **37.0067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2186, 0.3804, 0.4521**, and **18.5665, 0.4046, 0.5170** is the 20% darker color. If you saturate the color by 10%, you get **40.8371, 0.3984, 0.4944**, and if you desaturate by 10%, it is **41.5699, 0.3819, 0.4593**.

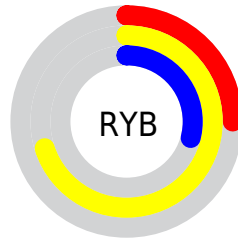
Distribution



Red (67%)

Green (70%)

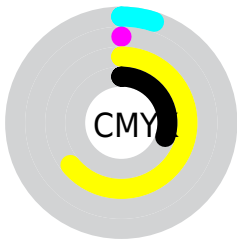
Blue (25%)



Red (25%)

Yellow (70%)

Blue (29%)

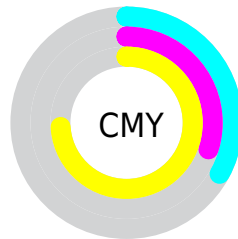


Cyan (5%)

Magenta (0%)

Yellow (64%)

Black (30%)



Cyan (33%)


Magenta (30%)


Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1679, 0.3913, 0.4787 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 41.1679, 0.3913, 0.4787 by changing the saturation by 10% instead.


 41.1679, 0.3913,
0.4787

 41.1679, 0.3913,
0.4787


351.0219, 0.3562,
0.4031


 28.4503, 0.3976,
0.4964


 76.9387, 0.3801,
0.4518


 18.6654, 0.4039,
0.5179


 100.7607, 0.3754,
0.4414

 11.4287, 0.4087,
0.5436


 129.0530, 0.3712,
0.4326

 6.3560, 0.4162,
0.5838

 162.1999, 0.3675,
0.4250

 3.0627, 0.3959,
0.6041

 200.5858, 0.3642,
0.4184

 1.1646, 0.3539,
0.6461

244.5952, 0.3612,

 0.0325, 0.0000,

0.4127

1.0000

294.6124, 0.3586,
0.4076

■ 0.0000, 0.0000,
0.0000

■ 41.1679, 0.3913,
0.4787

■ 41.1679, 0.3913,
0.4787

■ 40.8371, 0.3984,
0.4944

■ 41.5699, 0.3819,
0.4593

■ 40.5653, 0.4030,
0.5059

■ 42.0432, 0.3706,
0.4370

■ 40.3468, 0.4051,
0.5131

■ 42.5945, 0.3580,
0.4128

■ 40.2254, 0.4056,
0.5162

■ 43.2285, 0.3447,
0.3876

■ 43.9493, 0.3310,
0.3624

■ 44.7610, 0.3176,
0.3378

■ 45.6671, 0.3045,
0.3143

■ 46.6711, 0.2922,
0.2922

■ 47.7764, 0.2806,
0.2718

Harmonies

Analogous

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



41.1679, 0.4537, 0.4347



41.1679, 0.3913, 0.4787



41.1679, 0.3125, 0.4768

Triad

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



41.1679, 0.3913, 0.4787



41.1679, 0.1698, 0.2482



41.1679, 0.3808, 0.2615

Complementary

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



41.1679, 0.3913, 0.4787



8.4989, 0.1979, 0.1308

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.



41.1679, 0.2941, 0.2223



41.1679, 0.3913, 0.4787



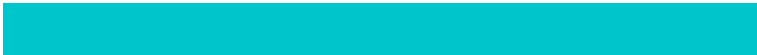
41.1679, 0.1822, 0.2111

Square

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



41.1679, 0.3913, 0.4787



41.1679, 0.1878, 0.3197



41.1679, 0.2239, 0.2041



41.1679, 0.4533, 0.3150

Rectangle

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



41.1679, 0.3913, 0.4787



41.1679, 0.2609, 0.4393



41.1679, 0.2239, 0.2041



41.1679, 0.3516, 0.2464

Sweetspot

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



41.1698, 0.3913, 0.4787



77.9567, 0.3388, 0.3766



14.6848, 0.5062, 0.3393



17.1924, 0.3426, 0.3838



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.



41.1698, 0.3913, 0.4787



72.9449, 0.4004, 0.4991



36.2308, 0.3389, 0.5100



9.8718, 0.3251, 0.3516



28.4363, 0.4057, 0.5160



0.9047, 0.4098, 0.5128

Inverse Universe

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



8.4989, 0.1979, 0.1308



9.9164, 0.1747, 0.0938



11.7567, 0.2562, 0.1571



8.2612, 0.2997, 0.3055



2.3788, 0.1531, 0.0617



0.0854, 0.1655, 0.0686

Previews

White Background



This preview shows how the Yxy color 41.1679, 0.3913, 0.4787 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 41.1679, 0.3913, 0.4787 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 41.1679, 0.3913, 0.4787

Background



This preview shows how black text looks on a background with the Yxy color 41.1679, 0.3913, 0.4787.



This preview shows how white text looks on a background with the Yxy color 41.1679, 0.3913, 0.4787.

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

41.1679, 0.3913, 0.4787

Protanopia

41.0704, 0.4195, 0.4609

Deuteranopia

40.7827, 0.4435, 0.4343



Tritanopia

41.1652, 0.3135, 0.3118

Trichromacy



Original Color

41.1679, 0.3913, 0.4787

Protanomaly

41.2205, 0.4086, 0.4676

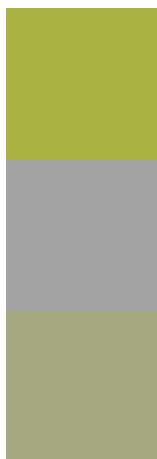
Deuteranomaly

40.6636, 0.4240, 0.4507

Tritanomaly

40.7162, 0.3458, 0.3750

Monochromacy



Original Color

41.1679, 0.3913, 0.4787

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.0152, 0.3465, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1679, 0.3913, 0.4787 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(170, 179, 65)` looks like.

```
.text, #text, p{  
    color:rgb(170, 179, 65)  
}
```

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(170, 179, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 179, 65) }
```

Border

The CSS property to change the border of an element to Yxy 41.1679, 0.3913, 0.4787 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(170, 179, 65) }
```

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

```
.border{ border-color:rgb(170, 179, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 179, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 179, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 179, 65);  
box-shadow:4px 4px 4px 4px rgb(170, 179,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1679, 0.3913, 0.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 179, 65) }
```

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

```
.background{ background-color: rgb(170,  
179, 65) }
```

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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