

Converting Colors

$Y_{xy}(40.2650, 0.4124, 0.5038)$

Have a look what the booklet for
Yxy(40.2650, 0.4124, 0.5038)
contains.

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Color

Yxy(40.3790, 0.4126, 0.5036)

Conversions

Conversions Part 1

Format	Color
Hex	ADB114
RGB	173, 177, 20
RGB Percent	68%, 69%, 8%
CMY	0.3216, 0.3059, 0.9209
CMYK	0.02, 0.00, 0.89, 0.31
HSL	62°, 80%, 39%
HSV	62°, 89%, 69%
XYZ	33.0826, 40.3790, 6.7191
YIQ	157.9060, 48.0130, -49.6750

Conversions

Conversions Part 2

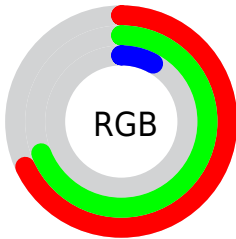
Format	Color
RYB	20, 177, 24
Decimal	11383060
CIELab	69.74, -17.85, 68.79
CIELCh	70, 71.069, 104.545
Yxy	40.3790, 0.4126, 0.5036
Android (android.graphics.Color)	4289573140 (0xFFADB114)
YUV	157.9060, -67.9877, 13.2374
Hunter-Lab	63.5445, -18.2721, 38.2119

Details

The Yxy color **40.3790, 0.4126, 0.5036** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.8768, 0.1577, 0.0713**, and the grayscale version is **34.4540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5249, 0.4008, 0.4747**, and **18.3802, 0.4072, 0.5149** is the 20% darker color. If you saturate the color by 10%, you get **40.2837, 0.4147, 0.5082**, and if you desaturate by 10%, it is **40.5205, 0.4083, 0.4953**.

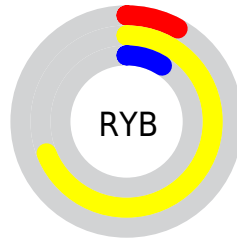
Distribution



Red (68%)

Green (69%)

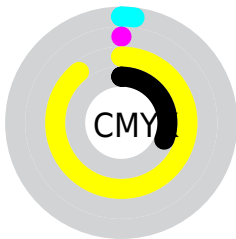
Blue (8%)



Red (8%)

Yellow (69%)

Blue (9%)

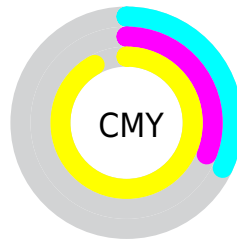


Cyan (2%)

Magenta (0%)

Yellow (89%)

Black (31%)



Cyan (32%)


Magenta (31%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3790, 0.4126, 0.5036 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 40.3790, 0.4126, 0.5036 by changing the saturation by 10% instead.

 40.3790, 0.4126,
0.5036


 40.3790, 0.4126,
0.5036


347.7184, 0.3706,
0.4188

 27.8342, 0.4186,
0.5213


 75.7403, 0.4003,
0.4748

 18.2007, 0.4231,
0.5411


 99.3255, 0.3948,
0.4633


 11.0942, 0.4299,
0.5701


 127.3597, 0.3897,
0.4533

 6.1302, 0.4169,
0.5831

 160.2272, 0.3850,
0.4446

 2.9244, 0.3965,
0.6035

 198.3125, 0.3809,
0.4369

 1.0924, 0.3503,
0.6497

 241.9998, 0.3771,

 0.0000, 0.0000,

0.4302

0.0000

291.6737, 0.3737,
0.4242

■ 40.3790, 0.4126,
0.5036

■ 40.3790, 0.4126,
0.5036

■ 40.2837, 0.4147,
0.5082

■ 40.5205, 0.4083,
0.4953

■ 40.2712, 0.4149,
0.5088

■ 40.7145, 0.4015,
0.4828

■ 40.9698, 0.3922,
0.4662

■ 41.2921, 0.3809,
0.4462

■ 41.6867, 0.3679,
0.4236

■ 42.1581, 0.3539,
0.3995

■ 42.7106, 0.3394,
0.3746

■ 43.3482, 0.3249,
0.3498

■ 44.0745, 0.3108,
0.3257

Harmonies

Analogous

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



40.3790, 0.4859, 0.4401



40.3790, 0.4126, 0.5036



40.3790, 0.3197, 0.5196

Triad

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



40.3790, 0.4126, 0.5036



40.3790, 0.1449, 0.2373



40.3790, 0.3818, 0.2412

Complementary

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



40.3790, 0.4126, 0.5036



3.8768, 0.1577, 0.0713

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.



40.3790, 0.2765, 0.1990



40.3790, 0.4126, 0.5036



40.3790, 0.1554, 0.1914

Square

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



40.3790, 0.4126, 0.5036



40.3790, 0.1683, 0.3284



40.3790, 0.1983, 0.1811



40.3790, 0.4769, 0.3006

Rectangle

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



40.3790, 0.4126, 0.5036



40.3790, 0.2579, 0.4807



40.3790, 0.1983, 0.1811



40.3790, 0.3453, 0.2248

Sweetspot

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



40.3809, 0.4126, 0.5036



75.6059, 0.3523, 0.3966



10.0026, 0.6149, 0.3314



16.3198, 0.3570, 0.4048



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.3809, 0.4126, 0.5036



72.1048, 0.4148, 0.5088



33.9822, 0.3400, 0.5590



9.8954, 0.3259, 0.3515



29.1805, 0.4150, 0.5087



0.9216, 0.4162, 0.5077

Inverse Universe

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



3.8768, 0.1577, 0.0713



5.7230, 0.1506, 0.0603



6.4586, 0.2184, 0.1039



8.2402, 0.2989, 0.3055



2.3251, 0.1510, 0.0605



0.0766, 0.1551, 0.0628

Previews

White Background



This preview shows how the Yxy color 40.3790, 0.4126, 0.5036 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 40.3790, 0.4126, 0.5036 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 40.3790, 0.4126, 0.5036

Background



This preview shows how black text looks on a background with the Yxy color 40.3790, 0.4126, 0.5036.



This preview shows how white text looks on a background with the Yxy color 40.3790, 0.4126, 0.5036.

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

40.3790, 0.4126, 0.5036

Protanopia

40.3760, 0.4375, 0.4851

Deuteranopia

40.0466, 0.4659, 0.4546



Tritanopia

40.4389, 0.3200, 0.3118

Trichromacy



Original Color

40.3790, 0.4126, 0.5036

Protanomaly

40.2484, 0.4284, 0.4917

Deuteranomaly

40.0006, 0.4470, 0.4724

Tritanomaly

39.5802, 0.3667, 0.3955

Monochromacy



Original Color

40.3790, 0.4126, 0.5036

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.7795, 0.3615, 0.4137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3790, 0.4126, 0.5036 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(173, 177, 20)` looks like.

```
.text, #text, p{  
    color:rgb(173, 177, 20)  
}
```

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(173, 177, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 177, 20) }
```

Border

The CSS property to change the border of an element to Yxy 40.3790, 0.4126, 0.5036 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(173, 177, 20) }
```

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

```
.border{ border-color:rgb(173, 177, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 177, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 177, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 177, 20);  
box-shadow:4px 4px 4px 4px rgb(173, 177,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3790, 0.4126, 0.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 177, 20) }
```

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

```
.background{ background-color: rgb(173,  
177, 20) }
```

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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