

Converting Colors

$Y_{xy}(41.5799, 0.3968, 0.5231)$

Have a look what the booklet for
Yxy(41.5799, 0.3968, 0.5231)
contains.

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Color

Yxy(41.7546, 0.3965, 0.5233)

Conversions

Conversions Part 1

Format	Color
Hex	A0B800
RGB	160, 184, 0
RGB Percent	63%, 72%, 0%
CMY	0.3726, 0.2784, 0.9989
CMYK	0.13, 0.00, 1.00, 0.28
HSL	68°, 100%, 36%
HSV	68°, 100%, 72%
XYZ	31.6371, 41.7546, 6.3992
YIQ	155.8480, 44.7600, -62.3120

Conversions

Conversions Part 2

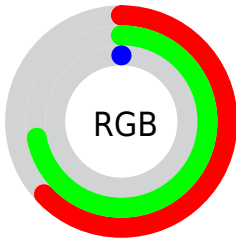
Format	Color
RYB	0, 184, 24
Decimal	10532864
CIELab	70.70, -27.20, 71.73
CIELCh	71, 76.709, 110.766
Yxy	41.7546, 0.3965, 0.5233
Android (android.graphics.Color)	4288722944 (0xFFA0B800)
YUV	155.8480, -76.8331, 3.6413
Hunter-Lab	64.6178, -25.6869, 39.3608

Details

The Yxy color **41.7546, 0.3965, 0.5233** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.6646, 0.1551, 0.0629**, and the grayscale version is **33.5227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7901, 0.3880, 0.4910**, and **19.1162, 0.3830, 0.5341** is the 20% darker color. If you saturate the color by 10%, you get **41.7523, 0.3965, 0.5234**, and if you desaturate by 10%, it is **42.0521, 0.3965, 0.5172**.

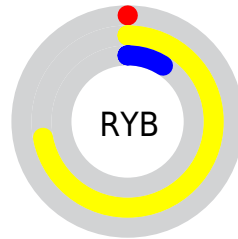
Distribution



Red (63%)

Green (72%)

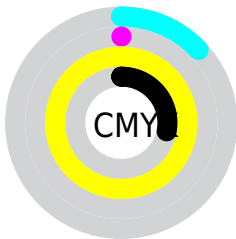
Blue (0%)



Red (0%)

Yellow (72%)

Blue (9%)

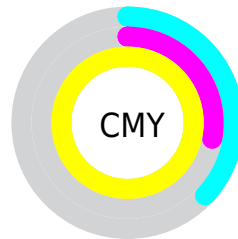


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (37%)

Magenta (28%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7546, 0.3965, 0.5233 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 41.7546, 0.3965, 0.5233 by changing the saturation by 10% instead.


 41.7546, 0.3965,
0.5233


 41.7546, 0.3965,
0.5233


353.4646, 0.3644,
0.4276


 28.9092, 0.3995,
0.5438


 77.8281, 0.3883,
0.4905


 19.0121, 0.4000,
0.5671


 101.8249, 0.3841,
0.4774


 11.6790, 0.4002,
0.5998


 130.3078, 0.3801,
0.4661


 6.5255, 0.3808,
0.6192

 163.6609, 0.3764,
0.4563

 3.1672, 0.3505,
0.6495

 202.2687, 0.3730,
0.4477

 1.2196, 0.2748,
0.7252

 246.5157, 0.3699,

 0.0776, 0.0000,

0.4402

1.0000

296.7862, 0.3670,
0.4335

■ 0.0000, 0.0000,
0.0000

■ 41.7546, 0.3965,
0.5233

■ 41.7546, 0.3965,
0.5233

■ 41.7523, 0.3965,
0.5234

■ 42.0521, 0.3965,
0.5172

■ 42.3954, 0.3944,
0.5074

■ 42.8017, 0.3898,
0.4932

■ 43.2789, 0.3827,
0.4750

■ 43.8334, 0.3734,
0.4534

■ 44.4711, 0.3625,
0.4294

■ 45.1972, 0.3505,
0.4041

■ 46.0164, 0.3378,
0.3784

■ 46.9331, 0.3251,
0.3530

Harmonies

Analogous

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



41.7546, 0.4809, 0.4591



41.7546, 0.3965, 0.5233



41.7546, 0.2974, 0.5261

Triad

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



41.7546, 0.3965, 0.5233



41.7546, 0.1362, 0.2175



41.7546, 0.4098, 0.2479

Complementary

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



41.7546, 0.3965, 0.5233



3.6646, 0.1551, 0.0629

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.



41.7546, 0.2953, 0.1996



41.7546, 0.3965, 0.5233



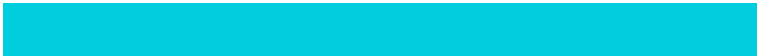
41.7546, 0.1540, 0.1791

Square

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



41.7546, 0.3965, 0.5233



41.7546, 0.1520, 0.3031



41.7546, 0.2058, 0.1754



41.7546, 0.5021, 0.3120

Rectangle

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



41.7546, 0.3965, 0.5233



41.7546, 0.2346, 0.4711



41.7546, 0.2058, 0.1754



41.7546, 0.3712, 0.2295

Sweetspot

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



41.7565, 0.3965, 0.5233



81.8356, 0.3513, 0.4057



10.7544, 0.6299, 0.3378



17.5200, 0.3564, 0.4164



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



41.7565, 0.3965, 0.5233



75.6067, 0.3961, 0.5237



35.6126, 0.3224, 0.5821



10.4422, 0.3244, 0.3517



28.7950, 0.3968, 0.5232



1.0318, 0.4030, 0.5182

Inverse Universe

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



3.6646, 0.1551, 0.0629



6.5700, 0.1542, 0.0623



7.0158, 0.2270, 0.1025



8.7743, 0.3004, 0.3055



2.5373, 0.1556, 0.0631



0.1077, 0.1739, 0.0732

Previews

White Background



This preview shows how the Yxy color 41.7546, 0.3965, 0.5233 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 41.7546, 0.3965, 0.5233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

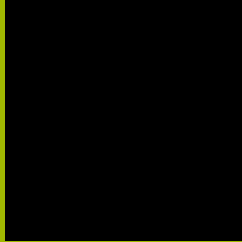
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7546, 0.3965, 0.5233

Background



This preview shows how black text looks on a background with the Yxy color 41.7546, 0.3965, 0.5233.



This preview shows how white text looks on a background with the Yxy color 41.7546, 0.3965, 0.5233.

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

41.7546, 0.3965, 0.5233

Protanopia

41.4892, 0.4407, 0.4883

Deuteranopia

41.5553, 0.4660, 0.4563



Tritanopia

41.6273, 0.3039, 0.3102

Trichromacy



Original Color

41.7546, 0.3965, 0.5233

Protanomaly

41.3894, 0.4242, 0.5014

Deuteranomaly

41.0466, 0.4418, 0.4809

Tritanomaly

40.7937, 0.3547, 0.4116

Monochromacy



Original Color

41.7546, 0.3965, 0.5233

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.3414, 0.3625, 0.4300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7546, 0.3965, 0.5233 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(160, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 184, 0)  
}
```

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(160, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 184, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.7546, 0.3965, 0.5233 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(160, 184, 0) }
```

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

```
.border{ border-color:rgb(160, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 184,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7546, 0.3965, 0.5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 184, 0) }
```

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

```
.background{ background-color: rgb(160,  
184, 0) }
```

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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