

Converting Colors

$Y_{xy}(45.0746, 0.3569, 0.4678)$

Have a look what the booklet for
Yxy(45.0746, 0.3569, 0.4678)
contains.

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Color

Yxy(45.1850, 0.3570, 0.4687)

Conversions

Conversions Part 1

Format	Color
Hex	9DBF5B
RGB	157, 191, 91
RGB Percent	62%, 75%, 36%
CMY	0.3845, 0.2509, 0.6432
CMYK	0.18, 0.00, 0.52, 0.25
HSL	80°, 44%, 55%
HSV	80°, 52%, 75%
XYZ	34.4166, 45.1850, 16.8034
YIQ	169.4340, 11.8360, -38.3080

Conversions

Conversions Part 2

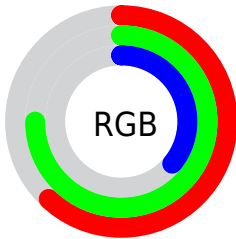
Format	Color
RYB	91, 191, 125
Decimal	10338139
CIELab	73.01, -27.30, 46.19
CIELCh	73, 53.658, 120.582
Yxy	45.1850, 0.3570, 0.4687
Android (android.graphics.Color)	4288528219 (0xFF9DBF5B)
YUV	169.4340, -38.6680, -10.9046
Hunter-Lab	67.2198, -26.2425, 32.2327

Details

The Yxy color **45.1850, 0.3570, 0.4687** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **15.6080, 0.2445, 0.1766**, and the grayscale version is **40.0901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6813, 0.3510, 0.4414**, and **20.9281, 0.3630, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **44.2615, 0.3620, 0.4936**, and if you desaturate by 10%, it is **46.2313, 0.3502, 0.4418**.

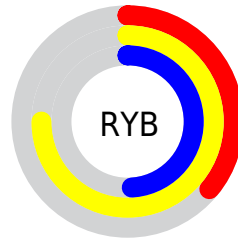
Distribution



Red (62%)

Green (75%)

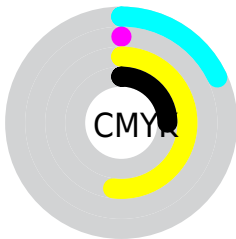
Blue (36%)



Red (36%)

Yellow (75%)

Blue (49%)

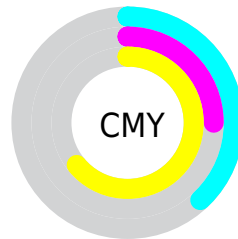


Cyan (18%)

Magenta (0%)

Yellow (52%)

Black (25%)



Cyan (38%)


Magenta (25%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1850, 0.3570, 0.4687 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 45.1850, 0.3570, 0.4687 by changing the saturation by 10% instead.


 45.1850, 0.3570,
0.4687

 45.1850, 0.3570,
0.4687


367.5223, 0.3382,
0.3964

 31.6032, 0.3601,
0.4868


 82.9980, 0.3512,
0.4422


 21.0586, 0.3630,
0.5098


 107.9979, 0.3487,
0.4323

 13.1668, 0.3648,
0.5396


 137.5726, 0.3465,
0.4239

 7.5435, 0.3634,
0.5790

 172.1065, 0.3444,
0.4168

 3.8043, 0.3584,
0.6416

211.9841, 0.3426,
0.4107

 1.5647, 0.3100,
0.6900

257.5896, 0.3410,

 0.3336, 0.0000,

0.4053

1.0000

309.3076, 0.3395,
0.4006

■ 0.0000, 0.0000,
0.0000

■ 45.1850, 0.3570,
0.4687

■ 45.1850, 0.3570,
0.4687

■ 44.2615, 0.3620,
0.4936

■ 46.2313, 0.3502,
0.4418

■ 43.4476, 0.3648,
0.5153

■ 47.4006, 0.3422,
0.4140

■ 42.7375, 0.3652,
0.5326

■ 48.7009, 0.3333,
0.3864

■ 42.1216, 0.3632,
0.5451

■ 50.1374, 0.3241,
0.3598

■ 41.7012, 0.3605,
0.5520

■ 51.7152, 0.3149,
0.3347

■ 53.4391, 0.3058,
0.3114

■ 55.3136, 0.2972,
0.2901

■ 57.3430, 0.2890,
0.2707

■ 59.0114, 0.2864,
0.2606

Harmonies

Analogous

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



45.1850, 0.4214, 0.4452



45.1850, 0.3570, 0.4687



45.1850, 0.2845, 0.4420

Triad

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



45.1850, 0.3570, 0.4687



45.1850, 0.1834, 0.2389



45.1850, 0.4039, 0.2870

Complementary

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



45.1850, 0.3570, 0.4687



15.6080, 0.2445, 0.1766

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.



45.1850, 0.3278, 0.2443



45.1850, 0.3570, 0.4687



45.1850, 0.2061, 0.2159

Square

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



45.1850, 0.3570, 0.4687



45.1850, 0.1888, 0.2919



45.1850, 0.2558, 0.2190



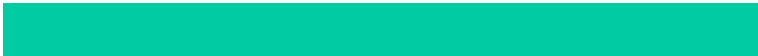
45.1850, 0.4544, 0.3399

Rectangle

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



45.1850, 0.3570, 0.4687



45.1850, 0.2415, 0.3966



45.1850, 0.2558, 0.2190



45.1850, 0.3799, 0.2712

Sweetspot

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



45.1870, 0.3570, 0.4687



88.7495, 0.3277, 0.3700



26.3331, 0.4355, 0.3744



19.3708, 0.3296, 0.3755



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.



45.1870, 0.3570, 0.4687



79.0065, 0.3626, 0.4974



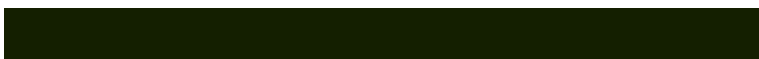
41.1909, 0.3163, 0.4886



10.9534, 0.3213, 0.3520



27.4463, 0.3613, 0.5514



1.1098, 0.3755, 0.5400

Inverse Universe

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



15.6080, 0.2445, 0.1766



20.2909, 0.2254, 0.1419



20.2820, 0.2991, 0.1978



9.3790, 0.3036, 0.3057



3.2520, 0.1766, 0.0747



0.1641, 0.2050, 0.0903

Previews

White Background



This preview shows how the Yxy color 45.1850, 0.3570, 0.4687 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 45.1850, 0.3570, 0.4687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

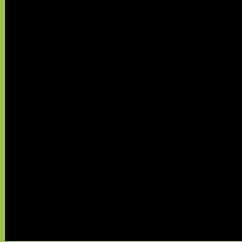
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1850, 0.3570, 0.4687

Background



This preview shows how black text looks on a background with the Yxy color 45.1850, 0.3570, 0.4687.



This preview shows how white text looks on a background with the Yxy color 45.1850, 0.3570, 0.4687.

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

45.1850, 0.3570, 0.4687

Protanopia

44.9341, 0.4049, 0.4423

Deuteranopia

44.6540, 0.4246, 0.4149



Tritanopia

45.0836, 0.2936, 0.3105

Trichromacy



Original Color

45.1850, 0.3570, 0.4687

Protanomaly

44.6388, 0.3873, 0.4523

Deuteranomaly

44.3847, 0.3987, 0.4347

Tritanomaly

44.7146, 0.3177, 0.3667

Monochromacy



Original Color

45.1850, 0.3570, 0.4687

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.3667, 0.3316, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1850, 0.3570, 0.4687 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(157, 191, 91)` looks like.

```
.text, #text, p{  
    color:rgb(157, 191, 91)  
}
```

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(157, 191, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 191, 91) }
```

Border

The CSS property to change the border of an element to Yxy 45.1850, 0.3570, 0.4687 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(157, 191, 91) }
```

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

```
.border{ border-color:rgb(157, 191, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 191, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 191, 91); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 191, 91); box-shadow:4px 4px 4px 4px rgb(157, 191, 91) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1850, 0.3570, 0.4687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 191, 91) }
```

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

```
.background{ background-color: rgb(157,  
191, 91) }
```

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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