

Converting Colors

$Y_{xy}(45.7171, 0.3725, 0.4909)$

Have a look what the booklet for
Yxy(45.7171, 0.3725, 0.4909)
contains.

Yxy(45.7185, 0.3720, 0.4907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.7185, 0.3720, 0.4907)

Conversions

Conversions Part 1

Format	Color
Hex	A1C046
RGB	161, 192, 70
RGB Percent	63%, 75%, 27%
CMY	0.3685, 0.2471, 0.7255
CMYK	0.16, 0.00, 0.64, 0.25
HSL	75°, 49%, 51%
HSV	75°, 64%, 75%
XYZ	34.6592, 45.7185, 12.7922
YIQ	168.8230, 20.6860, -44.5140

Conversions

Conversions Part 2

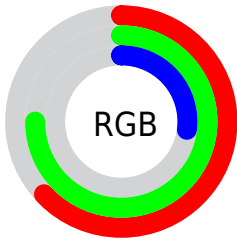
Format	Color
RYB	70, 192, 101
Decimal	10600518
CIELab	73.36, -27.97, 56.12
CIELCh	73, 62.702, 116.490
Yxy	45.7185, 0.3720, 0.4907
Android (android.graphics.Color)	4288790598 (0xFFFA1C046)
YUV	168.8230, -48.7197, -6.8608
Hunter-Lab	67.6155, -26.8292, 36.1137

Details

The Yxy color **45.7185, 0.3720, 0.4907** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **10.9507, 0.2158, 0.1384**, and the grayscale version is **39.8264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4955, 0.3647, 0.4605**, and **21.2521, 0.3787, 0.5345** is the 20% darker color. If you saturate the color by 10%, you get **45.0191, 0.3760, 0.5101**, and if you desaturate by 10%, it is **46.5192, 0.3657, 0.4678**.

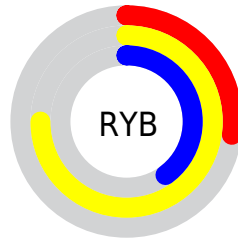
Distribution



Red (63%)

Green (75%)

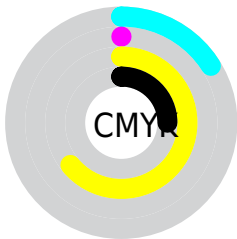
Blue (27%)



Red (27%)

Yellow (75%)

Blue (40%)

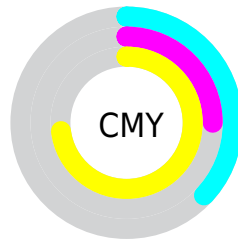


Cyan (16%)

Magenta (0%)

Yellow (64%)

Black (25%)



Cyan (37%)


Magenta (25%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7185, 0.3720, 0.4907 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 45.7185, 0.3720, 0.4907 by changing the saturation by 10% instead.

 45.7185, 0.3720,
0.4907


 45.7185, 0.3720,
0.4907


369.6758, 0.3476,
0.4085


 32.0237, 0.3756,
0.5104


 83.7976, 0.3648,
0.4612


 21.3796, 0.3784,
0.5346


 108.9506, 0.3616,
0.4499


 13.4018, 0.3790,
0.5643


 138.6919, 0.3587,
0.4404

 7.7058, 0.3808,
0.6114

 173.4059, 0.3560,
0.4321

 3.9073, 0.3564,
0.6436

 213.4768, 0.3536,
0.4250

 1.6218, 0.3084,
0.6916

259.2892, 0.3514,

 0.3722, 0.0000,

0.4188

1.0000

311.2274, 0.3494,
0.4133

■ 0.0000, 0.0000,
0.0000

■ 45.7185, 0.3720,
0.4907

■ 45.7185, 0.3720,
0.4907

■ 45.0191, 0.3760,
0.5101

■ 46.5192, 0.3657,
0.4678

■ 44.4070, 0.3775,
0.5252

■ 47.4220, 0.3576,
0.4425

■ 43.8746, 0.3765,
0.5355

■ 48.4351, 0.3481,
0.4158

■ 43.5615, 0.3750,
0.5405

■ 49.5641, 0.3378,
0.3890

■ 50.8142, 0.3271,
0.3626

■ 52.1903, 0.3164,
0.3375

■ 53.6970, 0.3060,
0.3140

■ 55.3385, 0.2961,
0.2922

■ 57.1189, 0.2867,
0.2723

Harmonies

Analogous

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



45.7185, 0.4436, 0.4531



45.7185, 0.3720, 0.4907



45.7185, 0.2893, 0.4715

Triad

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



45.7185, 0.3720, 0.4907



45.7185, 0.1654, 0.2308



45.7185, 0.4074, 0.2728

Complementary

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



45.7185, 0.3720, 0.4907



10.9507, 0.2158, 0.1384

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.



45.7185, 0.3170, 0.2277



45.7185, 0.3720, 0.4907



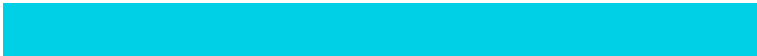
45.7185, 0.1863, 0.2020

Square

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



45.7185, 0.3720, 0.4907



45.7185, 0.1749, 0.2951



45.7185, 0.2376, 0.2025



45.7185, 0.4723, 0.3304

Rectangle

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



45.7185, 0.3720, 0.4907



45.7185, 0.2388, 0.4213



45.7185, 0.2376, 0.2025



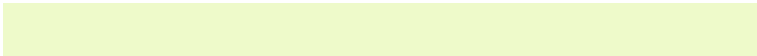
45.7185, 0.3781, 0.2560

Sweetspot

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



45.7206, 0.3720, 0.4907



90.7448, 0.3333, 0.3777



20.8589, 0.4842, 0.3680



19.3306, 0.3364, 0.3854



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.



45.7206, 0.3720, 0.4907



81.1510, 0.3769, 0.5162



40.8773, 0.3219, 0.5208



11.6256, 0.3227, 0.3520



29.3525, 0.3756, 0.5400



1.2994, 0.3858, 0.5319

Inverse Universe

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



10.9507, 0.2158, 0.1384



13.3237, 0.1928, 0.1025



15.8152, 0.2824, 0.1685



9.8687, 0.3022, 0.3055



3.0274, 0.1657, 0.0687



0.1649, 0.1902, 0.0821

Previews

White Background



This preview shows how the Yxy color 45.7185, 0.3720, 0.4907 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 45.7185, 0.3720, 0.4907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

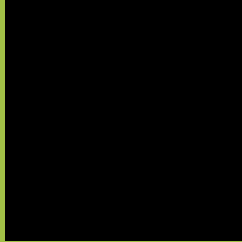
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7185, 0.3720, 0.4907

Background



This preview shows how black text looks on a background with the Yxy color 45.7185, 0.3720, 0.4907.



This preview shows how white text looks on a background with the Yxy color 45.7185, 0.3720, 0.4907.

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

45.7185, 0.3720, 0.4907

Protanopia

45.4653, 0.4193, 0.4602

Deuteranopia

45.3496, 0.4412, 0.4318



Tritanopia

45.6515, 0.2977, 0.3107

Trichromacy



Original Color

45.7185, 0.3720, 0.4907

Protanomaly

45.1374, 0.4015, 0.4715

Deuteranomaly

45.0140, 0.4151, 0.4538

Tritanomaly

44.9970, 0.3284, 0.3775

Monochromacy



Original Color

45.7185, 0.3720, 0.4907

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.2447, 0.3392, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7185, 0.3720, 0.4907 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(161, 192, 70)` looks like.

```
.text, #text, p{  
    color:rgb(161, 192, 70)  
}
```

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(161, 192, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 192, 70) }
```

Border

The CSS property to change the border of an element to Yxy 45.7185, 0.3720, 0.4907 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(161, 192, 70) }
```

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

```
.border{ border-color:rgb(161, 192, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 192, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 192, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 192, 70);  
box-shadow:4px 4px 4px 4px rgb(161, 192,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7185, 0.3720, 0.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 192, 70) }
```

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

```
.background{ background-color: rgb(161,  
192, 70) }
```

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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