

Converting Colors

$Y_{xy}(45.2290, 0.3450, 0.5397)$

Have a look what the booklet for
Yxy(45.2290, 0.3450, 0.5397)
contains.

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Color

Yxy(45.1739, 0.3452, 0.5392)

Conversions

Conversions Part 1

Format	Color
Hex	7AC72D
RGB	122, 199, 45
RGB Percent	48%, 78%, 18%
CMY	0.5217, 0.2196, 0.8232
CMYK	0.39, 0.00, 0.77, 0.22
HSL	90°, 63%, 48%
HSV	90°, 77%, 78%
XYZ	28.9207, 45.1739, 9.6849
YIQ	158.4210, 3.5420, -64.2180

Conversions

Conversions Part 2

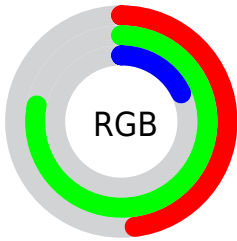
Format	Color
RYB	45, 199, 122
Decimal	8046381
CIELab	73.01, -47.35, 64.18
CIElCh	73, 79.756, 126.417
Yxy	45.1739, 0.3452, 0.5392
Android (android.graphics.Color)	4286236461 (0xFF7AC72D)
YUV	158.4210, -55.9166, -31.9412
Hunter-Lab	67.2115, -40.8128, 38.5046

Details

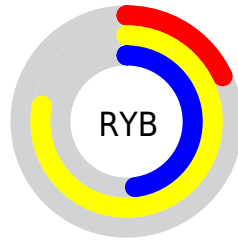
The Yxy color **45.1739, 0.3452, 0.5392** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **10.1529, 0.2285, 0.1203**, and the grayscale version is **34.6527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2026, 0.3458, 0.4984**, and **21.0365, 0.3307, 0.5756** is the 20% darker color. If you saturate the color by 10%, you get **44.3668, 0.3423, 0.5566**, and if you desaturate by 10%, it is **46.1317, 0.3459, 0.5167**.

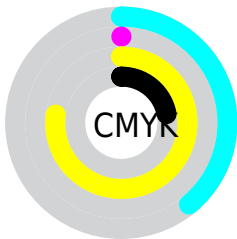
Distribution



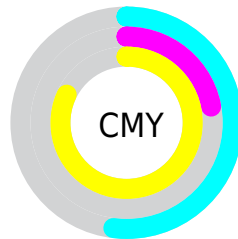
- Red (48%)
- Green (78%)
- Blue (18%)



- Red (18%)
- Yellow (78%)
- Blue (48%)



- Cyan (39%)
- Magenta (0%)
- Yellow (77%)
- Black (22%)





- Cyan (52%)
- Magenta (22%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1739, 0.3452, 0.5392 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 45.1739, 0.3452, 0.5392 by changing the saturation by 10% instead.


 45.1739, 0.3452,
0.5392


 45.1739, 0.3452,
0.5392


367.4774, 0.3378,
0.4297

 31.5944, 0.3432,
0.5657


 82.9813, 0.3452,
0.4995

 21.0519, 0.3380,
0.5983


 107.9780, 0.3444,
0.4845


 13.1619, 0.3273,
0.6389


 137.5493, 0.3433,
0.4717

 7.5402, 0.3074,
0.6926

 172.0795, 0.3422,
0.4609

 3.8021, 0.2606,
0.7394

 211.9530, 0.3410,
0.4515

 1.5635, 0.1198,
0.8802

 257.5542, 0.3399,

 0.3328, 0.0000,

0.4433

1.0000

309.2675, 0.3388,
0.4361

■ 0.0000, 0.0000,
0.0000

■ 45.1739, 0.3452,
0.5392

■ 45.1739, 0.3452,
0.5392

■ 44.3668, 0.3423,
0.5566

■ 46.1317, 0.3459,
0.5167

■ 43.6897, 0.3375,
0.5685

■ 47.2454, 0.3444,
0.4902

■ 43.5262, 0.3362,
0.5713

■ 48.5268, 0.3411,
0.4613

■ 49.9844, 0.3364,
0.4315

■ 51.6265, 0.3306,
0.4020

■ 53.4605, 0.3243,
0.3736

■ 55.4933, 0.3176,
0.3471

■ 57.7316, 0.3110,
0.3228

■ 60.1816, 0.3044,
0.3006

Harmonies

Analogous

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



45.1739, 0.4409, 0.4978



45.1739, 0.3452, 0.5392



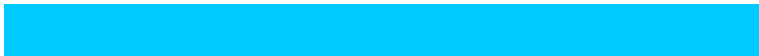
45.1739, 0.2465, 0.4890

Triad

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



45.1739, 0.3452, 0.5392



45.1739, 0.1399, 0.1910



45.1739, 0.4664, 0.2794

Complementary

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



45.1739, 0.3452, 0.5392



10.1529, 0.2285, 0.1203

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.



45.1739, 0.3546, 0.2211



45.1739, 0.3452, 0.5392



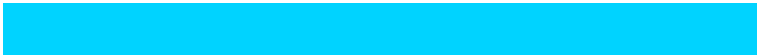
45.1739, 0.1751, 0.1720

Square

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



45.1739, 0.3452, 0.5392



45.1739, 0.1376, 0.2507



45.1739, 0.2471, 0.1834



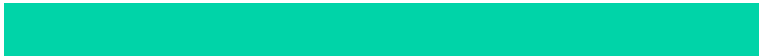
45.1739, 0.5264, 0.3482

Rectangle

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



45.1739, 0.3452, 0.5392



45.1739, 0.1924, 0.4066



45.1739, 0.2471, 0.1834



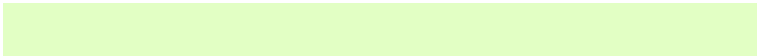
45.1739, 0.4322, 0.2583

Sweetspot

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



45.1759, 0.3452, 0.5392



91.6330, 0.3281, 0.3904



26.2629, 0.4906, 0.4157



19.3689, 0.3304, 0.4009



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



45.1759, 0.3452, 0.5392



76.8232, 0.3391, 0.5655



41.6004, 0.3014, 0.5703



12.1437, 0.3190, 0.3524



28.0378, 0.3372, 0.5705



1.3707, 0.3533, 0.5577

Inverse Universe

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



10.1529, 0.2285, 0.1203



12.9276, 0.2080, 0.0943



18.1498, 0.3203, 0.1670



10.5439, 0.3060, 0.3057



4.4311, 0.2033, 0.0894



0.2529, 0.2263, 0.1020

Previews

White Background



This preview shows how the Yxy color 45.1739, 0.3452, 0.5392 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 45.1739, 0.3452, 0.5392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

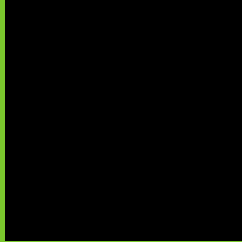
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1739, 0.3452, 0.5392

Background



This preview shows how black text looks on a background with the Yxy color 45.1739, 0.3452, 0.5392.



This preview shows how white text looks on a background with the Yxy color 45.1739, 0.3452, 0.5392.

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

45.1739, 0.3452, 0.5392

Protanopia

44.6728, 0.4313, 0.4778

Deuteranopia

44.3694, 0.4542, 0.4440



Tritanopia

44.7077, 0.2696, 0.3083

Trichromacy



Original Color

45.1739, 0.3452, 0.5392

Protanomaly

44.0556, 0.3981, 0.5012

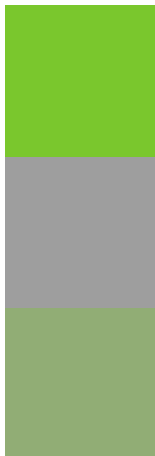
Deuteranomaly

43.3387, 0.4120, 0.4798

Tritanomaly

43.9914, 0.3025, 0.3980

Monochromacy



Original Color

45.1739, 0.3452, 0.5392

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

37.1912, 0.3335, 0.4157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1739, 0.3452, 0.5392 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(122, 199, 45)` looks like.

```
.text, #text, p{  
    color:rgb(122, 199, 45)  
}
```

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(122, 199, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 199, 45) }
```

Border

The CSS property to change the border of an element to Yxy 45.1739, 0.3452, 0.5392 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(122, 199, 45) }
```

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

```
.border{ border-color:rgb(122, 199, 45) }
```

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

Here you see how a box with a 4 pixel rgb(122, 199, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 199, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 199, 45);  
box-shadow:4px 4px 4px 4px rgb(122, 199,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1739, 0.3452, 0.5392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 199, 45) }
```

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

```
.background{ background-color: rgb(122,  
199, 45) }
```

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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