

Converting Colors

$Y_{xy}(45.3751, 0.3074, 0.5761)$

Have a look what the booklet for
Yxy(45.3751, 0.3074, 0.5761)
contains.

Yxy(45.1398, 0.3074, 0.5763)	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(45.1398, 0.3074, 0.5763)

Conversions

Conversions Part 1

Format	Color
Hex	39CE24
RGB	57, 206, 36
RGB Percent	22%, 81%, 14%
CMY	0.7764, 0.1921, 0.8590
CMYK	0.72, 0.00, 0.83, 0.19
HSL	113°, 70%, 47%
HSV	113°, 83%, 81%
XYZ	24.0777, 45.1398, 9.1094
YIQ	142.0690, -34.2340, -84.4580

Conversions

Conversions Part 2

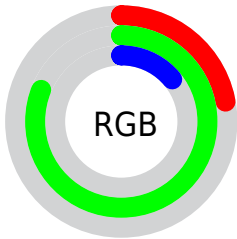
Format	Color
RYP	36, 206, 185
Decimal	3788324
CIELab	72.98, -67.18, 65.95
CIELCh	73, 94.140, 135.531
Yxy	45.1398, 0.3074, 0.5763
Android (android.graphics.Color)	4281978404 (0xFF39CE24)
YUV	142.0690, -52.2920, -74.6055
Hunter-Lab	67.1862, -53.6062, 38.9915

Details

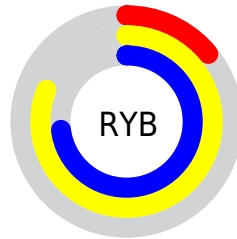
The Yxy color **45.1398, 0.3074, 0.5763** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **16.0229, 0.2952, 0.1489**, and the grayscale version is **27.3026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8187, 0.3164, 0.5225**, and **21.8127, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.6103, 0.3047, 0.5911**, and if you desaturate by 10%, it is **45.9339, 0.3099, 0.5536**.

Distribution



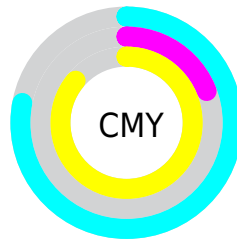
- Red (22%)
- Green (81%)
- Blue (14%)



- Red (14%)
- Yellow (81%)
- Blue (73%)



- Cyan (72%)
- Magenta (0%)
- Yellow (83%)
- Black (19%)





- Cyan (78%)
- Magenta (19%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1398, 0.3074, 0.5763 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 45.1398, 0.3074, 0.5763 by changing the saturation by 10% instead.


 45.1398, 0.3074,
0.5763


 45.1398, 0.3074,
0.5763


367.3395, 0.3211,
0.4440

 31.5676, 0.2996,
0.6094


 82.9302, 0.3155,
0.5275


 21.0314, 0.2868,
0.6506


 107.9171, 0.3176,
0.5092

 13.1470, 0.2662,
0.7032


 137.4776, 0.3190,
0.4939

 7.5298, 0.2315,
0.7685

 171.9963, 0.3199,
0.4808

 3.7956, 0.1702,
0.8298

 211.8574, 0.3204,
0.4696

 1.5599, 0.0000,
1.0000

 257.4454, 0.3208,


 0.3303, 0.0000,


0.4599


1.0000


309.1446, 0.3210,
0.4514

 0.0000, 0.0000,
0.0000


 45.1398, 0.3074,
0.5763


 45.1398, 0.3074,
0.5763


 44.6103, 0.3047,
0.5911


 45.9339, 0.3099,
0.5536

 44.3572, 0.3030,
0.5976

 47.0157, 0.3118,
0.5246

 48.4120, 0.3132,
0.4916

 50.1451, 0.3140,
0.4571

 52.2350, 0.3143,
0.4230

■ 54.7004, 0.3141,
0.3908

■ 57.5584, 0.3136,
0.3614

■ 60.8252, 0.3129,
0.3352

■ 64.5162, 0.3121,
0.3120

Harmonies

Analogous

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



45.1398, 0.4191, 0.5407



45.1398, 0.3074, 0.5763



45.1398, 0.2023, 0.4803

Triad

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



45.1398, 0.3074, 0.5763



45.1398, 0.1268, 0.1614



45.1398, 0.5235, 0.2913

Complementary

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



45.1398, 0.3074, 0.5763



16.0229, 0.2952, 0.1489

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.



45.1398, 0.4029, 0.2236



45.1398, 0.3074, 0.5763



45.1398, 0.1760, 0.1530

Square

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



45.1398, 0.3074, 0.5763



45.1398, 0.1130, 0.2094



45.1398, 0.2694, 0.1747



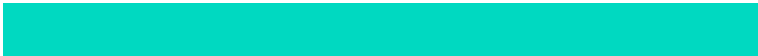
45.1398, 0.5618, 0.3672

Rectangle

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



45.1398, 0.3074, 0.5763



45.1398, 0.1517, 0.3698



45.1398, 0.2694, 0.1747



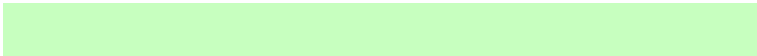
45.1398, 0.4899, 0.2675

Sweetspot

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



45.1417, 0.3074, 0.5763



87.4548, 0.3142, 0.3995



47.2530, 0.4340, 0.4794



18.4127, 0.3143, 0.4109



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.



45.1417, 0.3074, 0.5763



71.8626, 0.3028, 0.5973



45.4061, 0.2795, 0.5073



12.6024, 0.3134, 0.3528



27.3360, 0.3035, 0.5972



1.4328, 0.3130, 0.5897

Inverse Universe

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



16.0229, 0.2952, 0.1489



23.0795, 0.2896, 0.1371



16.3849, 0.4132, 0.2177



11.3305, 0.3118, 0.3060



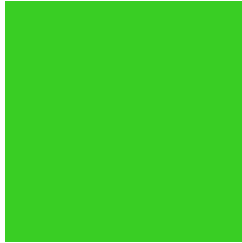
8.7837, 0.2901, 0.1372



0.4734, 0.2965, 0.1407

Previews

White Background



This preview shows how the Yxy color 45.1398, 0.3074, 0.5763 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 45.1398, 0.3074, 0.5763 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 45.1398, 0.3074, 0.5763

Background



This preview shows how black text looks on a background with the Yxy color 45.1398, 0.3074, 0.5763.



This preview shows how white text looks on a background with the Yxy color 45.1398, 0.3074, 0.5763.

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

45.1398, 0.3074, 0.5763

Protanopia

44.2040, 0.4358, 0.4822

Deuteranopia

44.1911, 0.4543, 0.4459



Tritanopia

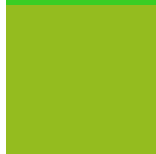
44.9136, 0.2420, 0.3074

Trichromacy



Original Color

45.1398, 0.3074, 0.5763



Protanomaly

42.3613, 0.3774, 0.5251



Deuteranomaly

41.3590, 0.3890, 0.4999



Tritanomaly

43.8617, 0.2702, 0.4125

Monochromacy



Original Color

45.1398, 0.3074, 0.5763



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.2690, 0.3145, 0.4379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1398, 0.3074, 0.5763 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(57, 206, 36)` looks like.

```
.text, #text, p{  
    color:rgb(57, 206, 36)  
}
```

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(57, 206, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 206, 36) }
```

Border

The CSS property to change the border of an element to Yxy 45.1398, 0.3074, 0.5763 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(57, 206, 36) }
```

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

```
.border{ border-color:rgb(57, 206, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 206, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 206, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 206, 36);  
box-shadow:4px 4px 4px 4px rgb(57, 206,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1398, 0.3074, 0.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 206, 36) }
```

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

```
.background{ background-color: rgb(57, 206,  
36) }
```

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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