

Converting Colors

Yxy(45.2326, 0.3146, 0.5884)

Have a look what the booklet for
Yxy(45.2326, 0.3146, 0.5884)
contains.

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Color

Yxy(45.2326, 0.3146, 0.5884)

Conversions

Conversions Part 1

Format	Color
Hex	40CE00
RGB	64, 206, 0
RGB Percent	25%, 81%, 0%
CMY	0.7491, 0.1921, 0.9998
CMYK	0.69, 0.00, 1.00, 0.19
HSL	101°, 100%, 40%
HSV	101°, 100%, 81%
XYZ	24.1845, 45.2326, 7.4568
YIQ	140.0580, -18.5060, -94.1700

Conversions

Conversions Part 2

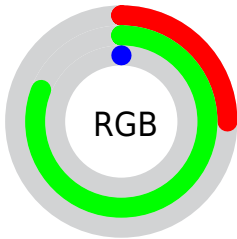
Format	Color
RYB	0, 206, 142
Decimal	4247040
CIELab	73.04, -66.98, 71.70
CIELCh	73, 98.115, 133.049
Yxy	45.2326, 0.3146, 0.5884
Android (android.graphics.Color)	4282437120 (0xFF40CE00)
YUV	140.0580, -69.0486, -66.7029
Hunter-Lab	67.2552, -53.5091, 40.5050

Details

The Yxy color **45.2326, 0.3146, 0.5884** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **10.2152, 0.2433, 0.1114**, and the grayscale version is **26.5288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0347, 0.3245, 0.5342**, and **21.8127, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.2333, 0.3146, 0.5884**, and if you desaturate by 10%, it is **45.8255, 0.3195, 0.5772**.

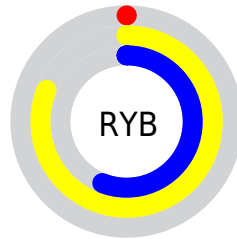
Distribution



Red (25%)

Green (81%)

Blue (0%)



Red (0%)

Yellow (81%)

Blue (56%)

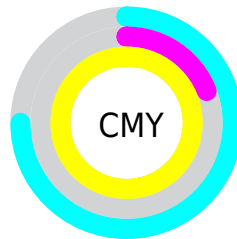


Cyan (69%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (75%)


Magenta (19%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2326, 0.3146, 0.5884 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 45.2326, 0.3146, 0.5884 by changing the saturation by 10% instead.

 45.2326, 0.3146,
0.5884


 45.2326, 0.3146,
0.5884


367.7148, 0.3266,
0.4511

 31.6407, 0.3064,
0.6216


 83.0693, 0.3227,
0.5385


 21.0872, 0.2928,
0.6619


 108.0830, 0.3246,
0.5196


 13.1878, 0.2728,
0.7176

 137.6726, 0.3257,
0.5036


 7.5580, 0.2326,
0.7674

 172.2226, 0.3264,
0.4899

 3.8134, 0.1716,
0.8284

 212.1175, 0.3267,
0.4782

 1.5698, 0.0000,
1.0000

 257.7415, 0.3268,

 0.3371, 0.0000,

0.4680

1.0000

309.4791, 0.3267,
0.4590

■ 0.0000, 0.0000,
0.0000

■ 45.2326, 0.3146,
0.5884

■ 45.2326, 0.3146,
0.5884

■ 45.2333, 0.3146,
0.5884

■ 45.8255, 0.3195,
0.5772

■ 46.6024, 0.3236,
0.5599

■ 47.5921, 0.3263,
0.5363

■ 48.8118, 0.3274,
0.5078

■ 50.2770, 0.3271,
0.4765

■ 52.0013, 0.3255,
0.4441

■ 53.9974, 0.3230,
0.4122

■ 56.2772, 0.3199,
0.3820

■ 58.8517, 0.3164,
0.3542

Harmonies

Analogous

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



45.2326, 0.4290, 0.5394



45.2326, 0.3146, 0.5884



45.2326, 0.2053, 0.5009

Triad

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



45.2326, 0.3146, 0.5884



45.2326, 0.1194, 0.1585



45.2326, 0.5240, 0.2829

Complementary

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



45.2326, 0.3146, 0.5884



10.2152, 0.2433, 0.1114

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.



45.2326, 0.3940, 0.2151



45.2326, 0.3146, 0.5884



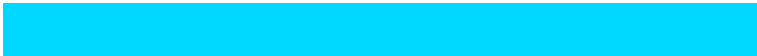
45.2326, 0.1660, 0.1476

Square

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



45.2326, 0.3146, 0.5884



45.2326, 0.1079, 0.2111



45.2326, 0.2576, 0.1673



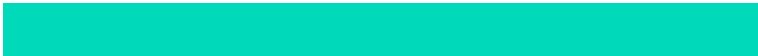
45.2326, 0.5707, 0.3592

Rectangle

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



45.2326, 0.3146, 0.5884



45.2326, 0.1512, 0.3852



45.2326, 0.2576, 0.1673



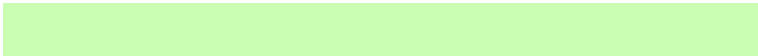
45.2326, 0.4869, 0.2590

Sweetspot

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



45.2345, 0.3146, 0.5884



87.3452, 0.3232, 0.4135



32.1092, 0.4894, 0.4496



18.3898, 0.3243, 0.4269



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.



45.2345, 0.3146, 0.5884



73.1887, 0.3138, 0.5890



44.2843, 0.2954, 0.5836



12.7030, 0.3162, 0.3526



27.8971, 0.3155, 0.5877



1.4795, 0.3310, 0.5754

Inverse Universe

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



10.2152, 0.2433, 0.1114



16.4327, 0.2423, 0.1109



15.9600, 0.3739, 0.1834



11.2223, 0.3089, 0.3058



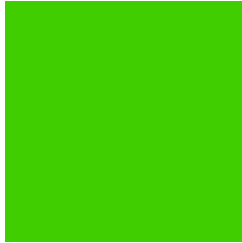
6.3418, 0.2444, 0.1120



0.3662, 0.2598, 0.1205

Previews

White Background



This preview shows how the Yxy color 45.2326, 0.3146, 0.5884 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 45.2326, 0.3146, 0.5884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

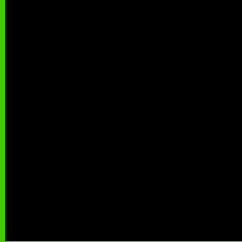
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2326, 0.3146, 0.5884

Background



This preview shows how black text looks on a background with the Yxy color 45.2326, 0.3146, 0.5884.



This preview shows how white text looks on a background with the Yxy color 45.2326, 0.3146, 0.5884.

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

45.2326, 0.3146, 0.5884

Protanopia

44.2583, 0.4411, 0.4880

Deuteranopia

44.4051, 0.4614, 0.4515



Tritanopia

44.7097, 0.2437, 0.3060

Trichromacy



Original Color

45.2326, 0.3146, 0.5884



Protanomaly

42.5457, 0.3849, 0.5326



Deuteranomaly

41.6467, 0.3997, 0.5096



Tritanomaly

43.2696, 0.2802, 0.4327

Monochromacy



Original Color

45.2326, 0.3146, 0.5884



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.7169, 0.3262, 0.4604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2326, 0.3146, 0.5884 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(64, 206, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 206, 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(64, 206, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 206, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.2326, 0.3146, 0.5884 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(64, 206, 0) }
```

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

```
.border{ border-color:rgb(64, 206, 0) }
```

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

Here you see how a box with a 4 pixel rgb(64, 206, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 206, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 206, 0);  
box-shadow:4px 4px 4px 4px rgb(64, 206, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.2326, 0.3146, 0.5884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 206, 0) }
```

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

```
.background{ background-color: rgb(64, 206,  
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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