

Converting Colors

$Yxy(45.4359, 0.3024, 0.5729)$

Have a look what the booklet for
Yxy(45.4359, 0.3024, 0.5729)
contains.

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Color

Yxy(45.4359, 0.3024, 0.5729)

Conversions

Conversions Part 1

Format	Color
Hex	30CF2C
RGB	48, 207, 44
RGB Percent	19%, 81%, 17%
CMY	0.8122, 0.1882, 0.8274
CMYK	0.77, 0.00, 0.79, 0.19
HSL	119°, 65%, 49%
HSV	119°, 79%, 81%
XYZ	23.9829, 45.4359, 9.8898
YIQ	140.8770, -42.4410, -84.4010

Conversions

Conversions Part 2

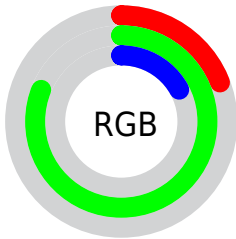
Format	Color
RYB	44, 207, 203
Decimal	3198764
CIELab	73.18, -68.43, 63.85
CIELCh	73, 93.596, 136.983
Yxy	45.4359, 0.3024, 0.5729
Android (android.graphics.Color)	4281388844 (0xFF30CF2C)
YUV	140.8770, -47.7604, -81.4531
Hunter-Lab	67.4062, -54.4510, 38.4853

Details

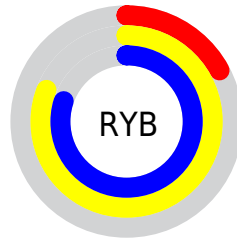
The Yxy color **45.4359, 0.3024, 0.5729** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **19.0226, 0.3158, 0.1631**, and the grayscale version is **26.7786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5642, 0.3118, 0.5179**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.9356, 0.3012, 0.5899**, and if you desaturate by 10%, it is **46.2411, 0.3038, 0.5477**.

Distribution



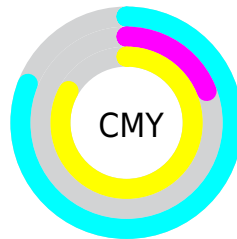
- Red (19%)
- Green (81%)
- Blue (17%)



- Red (17%)
- Yellow (81%)
- Blue (80%)



- Cyan (77%)
- Magenta (0%)
- Yellow (79%)
- Black (19%)





- Cyan (81%)
- Magenta (19%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4359, 0.3024, 0.5729 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 45.4359, 0.3024, 0.5729 by changing the saturation by 10% instead.


 45.4359, 0.3024,
0.5729


 45.4359, 0.3024,
0.5729


368.5361, 0.3179,
0.4419


 31.8009, 0.2944,
0.6061


 83.3741, 0.3110,
0.5243


 21.2095, 0.2816,
0.6477


 108.4462, 0.3133,
0.5062

 13.2772, 0.2607,
0.7002


 138.0994, 0.3149,
0.4910

 7.6197, 0.2279,
0.7721

 172.7181, 0.3160,
0.4782

 3.8526, 0.1663,
0.8337

 212.6867, 0.3168,
0.4671

 1.5914, 0.0000,
1.0000

 258.3897, 0.3173,

 0.3518, 0.0000,

0.4576

1.0000

310.2113, 0.3177,
0.4492

■ 0.0000, 0.0000,
0.0000

■ 45.4359, 0.3024,
0.5729

■ 45.4359, 0.3024,
0.5729

■ 44.9356, 0.3012,
0.5899

■ 46.2411, 0.3038,
0.5477

■ 44.6839, 0.3005,
0.5988


■ 47.3825, 0.3054,
0.5164

■ 44.6617, 0.3004,
0.5997

■ 48.8940, 0.3070,
0.4816

■ 50.8035, 0.3085,
0.4460

■ 53.1366, 0.3099,
0.4116

 55.9165, 0.3110,
0.3797

 59.1648, 0.3120,
0.3512

 62.9017, 0.3128,
0.3260

 67.1463, 0.3135,
0.3042

Harmonies

Analogous

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



45.4359, 0.4137, 0.5431



45.4359, 0.3024, 0.5729



45.4359, 0.1988, 0.4714

Triad

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



45.4359, 0.3024, 0.5729



45.4359, 0.1293, 0.1612



45.4359, 0.5260, 0.2953

Complementary

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



45.4359, 0.3024, 0.5729



19.0226, 0.3158, 0.1631

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.



45.4359, 0.4090, 0.2272



45.4359, 0.3024, 0.5729



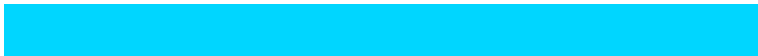
45.4359, 0.1802, 0.1543

Square

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



45.4359, 0.3024, 0.5729



45.4359, 0.1139, 0.2067



45.4359, 0.2755, 0.1773



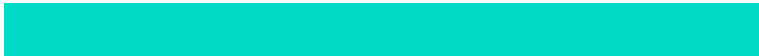
45.4359, 0.5596, 0.3713

Rectangle

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



45.4359, 0.3024, 0.5729



45.4359, 0.1500, 0.3619



45.4359, 0.2755, 0.1773



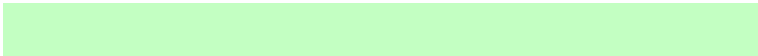
45.4359, 0.4939, 0.2714

Sweetspot

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



45.4378, 0.3024, 0.5729



87.0424, 0.3104, 0.3970



55.4909, 0.4167, 0.4897



18.3002, 0.3100, 0.4088



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.



45.4378, 0.3024, 0.5729



71.7149, 0.3006, 0.5963



46.5238, 0.2712, 0.4717



13.2195, 0.3119, 0.3530



28.1420, 0.3006, 0.5995



1.5783, 0.3024, 0.5981

Inverse Universe

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



19.0226, 0.3158, 0.1631



27.7638, 0.3152, 0.1525



16.7065, 0.4359, 0.2370



11.9941, 0.3134, 0.3061



10.7621, 0.3150, 0.1509



0.6064, 0.3162, 0.1515

Previews

White Background



This preview shows how the Yxy color 45.4359, 0.3024, 0.5729 looks on a white background.

Color Contrast Check

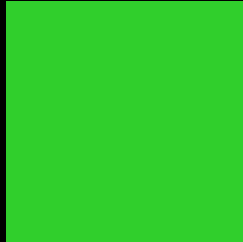
Large Text (above 18pt) WCAG AA × Fail

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 45.4359, 0.3024, 0.5729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

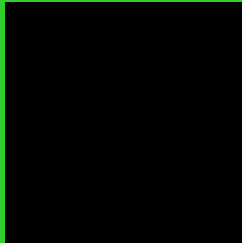
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4359, 0.3024, 0.5729

Background



This preview shows how black text looks on a background with the Yxy color 45.4359, 0.3024, 0.5729.



This preview shows how white text looks on a background with the Yxy color 45.4359, 0.3024, 0.5729.

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

45.4359, 0.3024, 0.5729

Protanopia

44.2537, 0.4332, 0.4784

Deuteranopia

44.2425, 0.4517, 0.4426



Tritanopia

45.1808, 0.2400, 0.3074

Trichromacy



Original Color

45.4359, 0.3024, 0.5729



Protanomaly

42.5681, 0.3715, 0.5226



Deuteranomaly

41.5137, 0.3828, 0.4979



Tritanomaly

44.1885, 0.2664, 0.4092

Monochromacy



Original Color

45.4359, 0.3024, 0.5729



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.0767, 0.3087, 0.4336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4359, 0.3024, 0.5729 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(48, 207, 44)` looks like.

```
.text, #text, p{  
    color:rgb(48, 207, 44)  
}
```

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(48, 207, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 207, 44) }
```

Border

The CSS property to change the border of an element to Yxy 45.4359, 0.3024, 0.5729 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(48, 207, 44) }
```

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

```
.border{ border-color:rgb(48, 207, 44) }
```

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

Here you see how a box with a 4 pixel rgb(48, 207, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 207, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 207, 44);  
box-shadow:4px 4px 4px 4px rgb(48, 207,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4359, 0.3024, 0.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 207, 44) }
```

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

```
.background{ background-color: rgb(48, 207,  
44) }
```

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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