

Converting Colors

$Y_{xy}(45.3808, 0.2978, 0.5651)$

Have a look what the booklet for
Yxy(45.3808, 0.2978, 0.5651)
contains.

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Color

Yxy(45.3634, 0.2978, 0.5653)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 29CF36 |
| RGB | 41, 207, 54 |
| RGB Percent | 16%, 81%, 21% |
| CMY | 0.8386, 0.1882, 0.7882 |
| CMYK | 0.80, 0.00, 0.74, 0.19 |
| HSL | 125°, 67%, 49% |
| HSV | 125°, 80%, 81% |
| XYZ | 23.8974, 45.3634, 10.9858 |
| YIQ | 139.9240, -49.8230, -82.7750 |

Conversions

Conversions Part 2

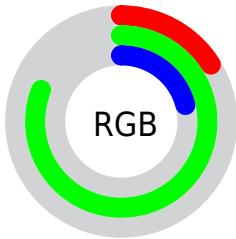
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 41, 195, 207 |
| Decimal | 2740022 |
| CIELab | 73.13, -68.60, 60.57 |
| CIELCh | 73, 91.514, 138.561 |
| Yxy | 45.3634, 0.2978, 0.5653 |
| Android (android.graphics.Color) | 4280930102 (0xFF29CF36) |
| YUV | 139.9240, -42.3605, -86.7563 |
| Hunter-Lab | 67.3524, -54.5327, 37.4759 |

Details

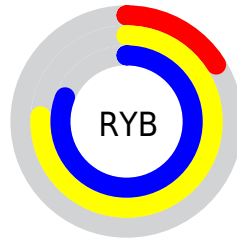
The Yxy color **45.3634, 0.2978, 0.5653** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **18.7630, 0.3363, 0.1739**, and the grayscale version is **26.3943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4277, 0.3073, 0.5115**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.8987, 0.2981, 0.5842**, and if you desaturate by 10%, it is **46.1260, 0.2982, 0.5395**.

Distribution



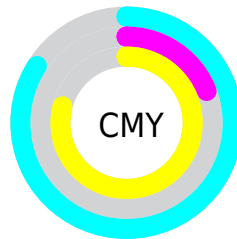
- Red (16%)
- Green (81%)
- Blue (21%)



- Red (16%)
- Yellow (76%)
- Blue (81%)



- Cyan (80%)
- Magenta (0%)
- Yellow (74%)
- Black (19%)




- Cyan (84%)
- Magenta (19%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3634, 0.2978, 0.5653 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 45.3634, 0.2978, 0.5653 by changing the saturation by 10% instead.


 45.3634, 0.2978,
0.5653


 45.3634, 0.2978,
0.5653

368.2434, 0.3147,
0.4377

 31.7438, 0.2898,
0.5982


 83.2655, 0.3066,
0.5176

 21.1659, 0.2774,
0.6398


 108.3167, 0.3091,
0.5000


 13.2453, 0.2570,
0.6926


 137.9472, 0.3109,
0.4853

 7.5977, 0.2270,
0.7730

 172.5414, 0.3121,
0.4728

 3.8386, 0.1651,
0.8349

 212.4838, 0.3131,
0.4621

 1.5837, 0.0000,
1.0000

258.1586, 0.3138,

 0.3466, 0.0000,

0.4529

1.0000

309.9503, 0.3143,
0.4448

■ 0.0000, 0.0000,
0.0000

■ 45.3634, 0.2978,
0.5653

■ 45.3634, 0.2978,
0.5653

■ 44.8987, 0.2981,
0.5842

■ 46.1260, 0.2982,
0.5395

■ 44.6620, 0.2987,
0.5955

■ 47.2191, 0.2993,
0.5087

■ 48.6768, 0.3010,
0.4754

■ 50.5277, 0.3031,
0.4418

■ 52.7976, 0.3055,
0.4095

■ 55.5098, 0.3080,
0.3797

■ 58.6863, 0.3104,
0.3529

■ 62.3472, 0.3127,
0.3293

■ 66.5117, 0.3149,
0.3087

Harmonies

Analogous

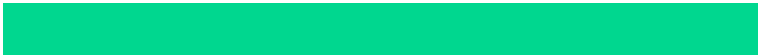
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3634, 0.4077, 0.5434



45.3634, 0.2978, 0.5653



45.3634, 0.1968, 0.4598

Triad

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



45.3634, 0.2978, 0.5653



45.3634, 0.1337, 0.1627



45.3634, 0.5257, 0.3003

Complementary

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



45.3634, 0.2978, 0.5653



18.7630, 0.3363, 0.1739

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.



45.3634, 0.4143, 0.2323



45.3634, 0.2978, 0.5653



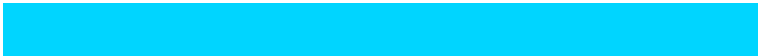
45.3634, 0.1863, 0.1574

Square

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



45.3634, 0.2978, 0.5653



45.3634, 0.1168, 0.2056



45.3634, 0.2826, 0.1816



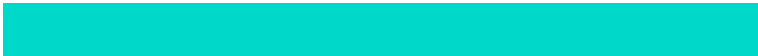
45.3634, 0.5545, 0.3760

Rectangle

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



45.3634, 0.2978, 0.5653



45.3634, 0.1501, 0.3534



45.3634, 0.2826, 0.1816



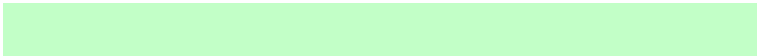
45.3634, 0.4957, 0.2765

Sweetspot

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



45.3653, 0.2978, 0.5653



87.0652, 0.3069, 0.3918



56.5134, 0.4038, 0.5019



18.3055, 0.3060, 0.4026



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.



45.3653, 0.2978, 0.5653



71.6754, 0.2987, 0.5929



46.8519, 0.2629, 0.4461



13.2209, 0.3105, 0.3511



28.1453, 0.2985, 0.5945



1.5790, 0.2937, 0.5772

Inverse Universe

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



18.7630, 0.3363, 0.1739



27.5395, 0.3408, 0.1661



16.0539, 0.4704, 0.2559



11.9926, 0.3149, 0.3078



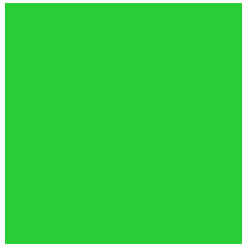
10.7331, 0.3412, 0.1653



0.6049, 0.3371, 0.1631

Previews

White Background



This preview shows how the Yxy color 45.3634, 0.2978, 0.5653 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 45.3634, 0.2978, 0.5653 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 45.3634, 0.2978, 0.5653

Background



This preview shows how black text looks on a background with the Yxy color 45.3634, 0.2978, 0.5653.



This preview shows how white text looks on a background with the Yxy color 45.3634, 0.2978, 0.5653.

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

45.3634, 0.2978, 0.5653

Protanopia

44.3254, 0.4296, 0.4730

Deuteranopia

44.3352, 0.4471, 0.4367



Tritanopia

45.0705, 0.2382, 0.3059

Trichromacy



Original Color

45.3634, 0.2978, 0.5653



Protanomaly

42.3763, 0.3653, 0.5173



Deuteranomaly

41.3051, 0.3757, 0.4915



Tritanomaly

44.1439, 0.2614, 0.4011

Monochromacy



Original Color

45.3634, 0.2978, 0.5653



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.5981, 0.3038, 0.4275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3634, 0.2978, 0.5653 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(41, 207, 54)` looks like.

```
.text, #text, p{  
    color:rgb(41, 207, 54)  
}
```

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(41, 207, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 207, 54) }
```

Border

The CSS property to change the border of an element to Yxy 45.3634, 0.2978, 0.5653 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(41, 207, 54) }
```

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

```
.border{ border-color:rgb(41, 207, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 207, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 207, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 207, 54);  
box-shadow:4px 4px 4px 4px rgb(41, 207,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3634, 0.2978, 0.5653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 207, 54) }
```

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

```
.background{ background-color: rgb(41, 207,  
54) }
```

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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