

Converting Colors

$Y_{xy}(46.7306, 0.3011, 0.5644)$

Have a look what the booklet for
Yxy(46.7306, 0.3011, 0.5644)
contains.

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Color

Yxy(46.5973, 0.3010, 0.5638)

Conversions

Conversions Part 1

Format	Color
Hex	34D136
RGB	52, 209, 54
RGB Percent	20%, 82%, 21%
CMY	0.7966, 0.1803, 0.7882
CMYK	0.75, 0.00, 0.74, 0.18
HSL	121°, 63%, 51%
HSV	121°, 75%, 82%
XYZ	24.8772, 46.5973, 11.1741
YIQ	144.3870, -43.8170, -81.4890

Conversions

Conversions Part 2

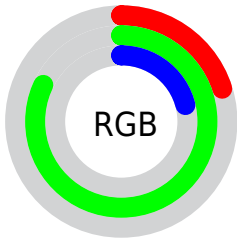
Format	Color
RYB	52, 207, 209
Decimal	3461430
CIELab	73.93, -67.80, 61.42
CIELCh	74, 91.483, 137.829
Yxy	46.5973, 0.3010, 0.5638
Android (android.graphics.Color)	4281651510 (0xFF34D136)
YUV	144.3870, -44.5608, -81.0234
Hunter-Lab	68.2622, -54.4070, 38.0782

Details

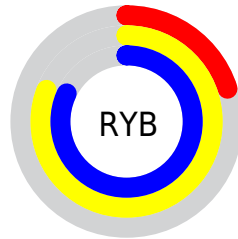
The Yxy color **46.5973, 0.3010, 0.5638** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **20.4983, 0.3227, 0.1707**, and the grayscale version is **28.2363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8567, 0.3101, 0.5099**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.0091, 0.3002, 0.5842**, and if you desaturate by 10%, it is **47.5165, 0.3022, 0.5360**.

Distribution



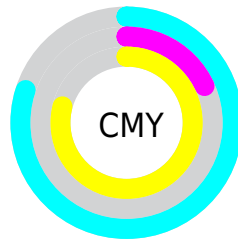
- Red (20%)
- Green (82%)
- Blue (21%)



- Red (20%)
- Yellow (81%)
- Blue (82%)



- Cyan (75%)
- Magenta (0%)
- Yellow (74%)
- Black (18%)




- Cyan (80%)
- Magenta (18%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5973, 0.3010, 0.5638 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 46.5973, 0.3010, 0.5638 by changing the saturation by 10% instead.


 46.5973, 0.3010,
0.5638


 46.5973, 0.3010,
0.5638

373.2048, 0.3163,
0.4378

 32.7174, 0.2935,
0.5959


 85.1122, 0.3092,
0.5170

 21.9101, 0.2817,
0.6365


 110.5160, 0.3114,
0.4996


 13.7908, 0.2623,
0.6878


 140.5299, 0.3130,
0.4850

 7.9753, 0.2340,
0.7660

 175.5383, 0.3141,
0.4727

 4.0792, 0.1746,
0.8254

 215.9256, 0.3150,
0.4621

 1.7179, 0.0000,
1.0000

262.0762, 0.3155,

 0.4352, 0.0000,

0.4529

1.0000

314.3745, 0.3160,
0.4449

■ 0.0000, 0.0000,
0.0000

■ 46.5973, 0.3010,
0.5638

■ 46.5973, 0.3010,
0.5638

■ 46.0091, 0.3002,
0.5842

■ 47.5165, 0.3022,
0.5360

■ 45.6998, 0.2999,
0.5960

■ 48.7989, 0.3037,
0.5030

■ 45.6127, 0.2998,
0.5993

■ 50.4793, 0.3054,
0.4677

■ 52.5869, 0.3072,
0.4325

■ 55.1481, 0.3089,
0.3992

■ 58.1871, 0.3105,
0.3687

■ 61.7267, 0.3120,
0.3417

■ 65.7878, 0.3133,
0.3180

■ 70.3905, 0.3145,
0.2976

Harmonies

Analogous

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



46.5973, 0.4101, 0.5403



46.5973, 0.3010, 0.5638



46.5973, 0.2000, 0.4622

Triad

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



46.5973, 0.3010, 0.5638



46.5973, 0.1341, 0.1644



46.5973, 0.5220, 0.2990

Complementary

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



46.5973, 0.3010, 0.5638



20.4983, 0.3227, 0.1707

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.



46.5973, 0.4102, 0.2315



46.5973, 0.3010, 0.5638



46.5973, 0.1854, 0.1583

Square

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



46.5973, 0.3010, 0.5638



46.5973, 0.1180, 0.2084



46.5973, 0.2801, 0.1817



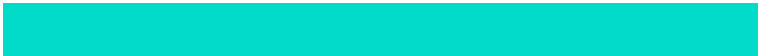
46.5973, 0.5531, 0.3743

Rectangle

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



46.5973, 0.3010, 0.5638



46.5973, 0.1527, 0.3571



46.5973, 0.2801, 0.1817



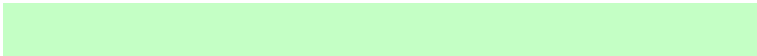
46.5973, 0.4915, 0.2753

Sweetspot

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



46.5992, 0.3010, 0.5638



87.3411, 0.3092, 0.3931



59.4100, 0.4102, 0.4902



18.3510, 0.3086, 0.4047



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.



46.5992, 0.3010, 0.5638



71.8201, 0.3000, 0.5921



47.9562, 0.2686, 0.4556



13.2089, 0.3114, 0.3527



28.1212, 0.2997, 0.5990



1.5733, 0.2988, 0.5958

Inverse Universe

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



20.4983, 0.3227, 0.1707



28.9957, 0.3239, 0.1588



17.6238, 0.4373, 0.2441



12.0062, 0.3140, 0.3064



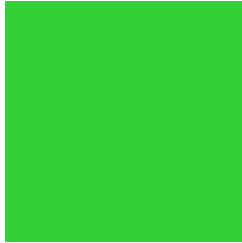
11.1107, 0.3243, 0.1560



0.6222, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 46.5973, 0.3010, 0.5638 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 46.5973, 0.3010, 0.5638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

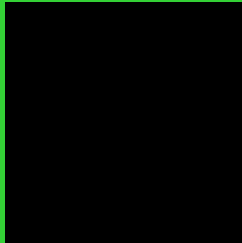
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5973, 0.3010, 0.5638

Background



This preview shows how black text looks on a background with the Yxy color 46.5973, 0.3010, 0.5638.



This preview shows how white text looks on a background with the Yxy color 46.5973, 0.3010, 0.5638.

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

46.5973, 0.3010, 0.5638

Protanopia

45.4043, 0.4296, 0.4736

Deuteranopia

45.4028, 0.4471, 0.4377



Tritanopia

46.3300, 0.2400, 0.3062

Trichromacy



Original Color

46.5973, 0.3010, 0.5638



Protanomaly

43.6949, 0.3687, 0.5156



Deuteranomaly

42.6452, 0.3792, 0.4904



Tritanomaly

45.3910, 0.2644, 0.4016

Monochromacy



Original Color

46.5973, 0.3010, 0.5638



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.4680, 0.3072, 0.4281

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5973, 0.3010, 0.5638 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(52, 209, 54)` looks like.

```
.text, #text, p{  
    color:rgb(52, 209, 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(52, 209, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 209, 54) }
```

Border

The CSS property to change the border of an element to Yxy 46.5973, 0.3010, 0.5638 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(52, 209, 54) }
```

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

```
.border{ border-color:rgb(52, 209, 54) }
```

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

Here you see how a box with a 4 pixel rgb(52, 209, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 209, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 209, 54);  
box-shadow:4px 4px 4px 4px rgb(52, 209,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5973, 0.3010, 0.5638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 209, 54) }
```

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

```
.background{ background-color: rgb(52, 209,  
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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