

Converting Colors

$Yxy(57.9845, 0.2942, 0.5369)$

Have a look what the booklet for
Yxy(57.9845, 0.2942, 0.5369)
contains.

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Color

Yxy(57.7026, 0.2939, 0.5363)

Conversions

Conversions Part 1

Format	Color
Hex	3DE556
RGB	61, 229, 86
RGB Percent	24%, 90%, 34%
CMY	0.7608, 0.1019, 0.6628
CMYK	0.73, 0.00, 0.62, 0.10
HSL	129°, 76%, 57%
HSV	129°, 73%, 90%
XYZ	31.6218, 57.7026, 18.2694
YIQ	162.4660, -54.2250, -80.0890

Conversions

Conversions Part 2

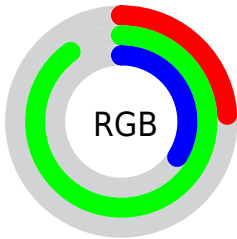
Format	Color
RYB	61, 207, 229
Decimal	4056406
CIELab	80.57, -69.80, 56.19
CIELCh	81, 89.612, 141.165
Yxy	57.7026, 0.2939, 0.5363
Android (android.graphics.Color)	4282246486 (0xFF3DE556)
YUV	162.4660, -37.6977, -88.9857
Hunter-Lab	75.9622, -58.6272, 38.9139

Details

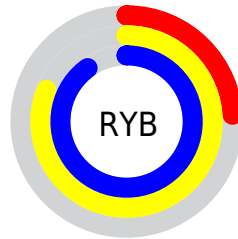
The Yxy color **57.7026, 0.2939, 0.5363** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **24.3550, 0.3487, 0.1892**, and the grayscale version is **36.5589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3190, 0.3020, 0.4729**, and **29.5889, 0.2959, 0.5851** is the 20% darker color. If you saturate the color by 10%, you get **56.8546, 0.2944, 0.5612**, and if you desaturate by 10%, it is **58.9510, 0.2945, 0.5071**.

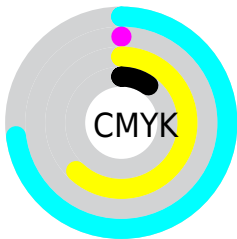
Distribution



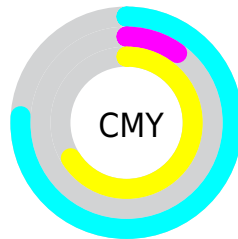
- Red (24%)
- Green (90%)
- Blue (34%)



- Red (24%)
- Yellow (81%)
- Blue (90%)



- Cyan (73%)
- Magenta (0%)
- Yellow (62%)
- Black (10%)





- Cyan (76%)
- Magenta (10%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7026, 0.2939, 0.5363 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 57.7026, 0.2939, 0.5363 by changing the saturation by 10% instead.

 57.7026, 0.2939,
0.5363

 57.7026, 0.2939,
0.5363

416.0768, 0.3099,
0.4281

 41.5696, 0.2878,
0.5635


 101.4897, 0.3013,
0.4965


 28.7644, 0.2786,
0.5980

 129.9125, 0.3036,
0.4817

 18.9027, 0.2646,
0.6424


 163.2007, 0.3054,
0.4692

 11.6000, 0.2419,
0.7000

 201.7388, 0.3067,
0.4585

 6.4719, 0.2087,
0.7913

245.9110, 0.3078,
0.4493

 3.1341, 0.1282,
0.8718

296.1018, 0.3086,

 1.2021, 0.0000,

0.4413

1.0000

352.6957, 0.3093,
0.4343

■ 0.0635, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7026, 0.2939,
0.5363

■ 57.7026, 0.2939,
0.5363

■ 56.8546, 0.2944,
0.5612

■ 58.9510, 0.2945,
0.5071


■ 56.3501, 0.2958,
0.5801

■ 60.6342, 0.2962,
0.4756


■ 56.1577, 0.2970,
0.5891


■ 62.7906, 0.2986,
0.4437


■ 65.4527, 0.3015,
0.4131

 68.6499, 0.3048,
0.3846

 72.4094, 0.3082,
0.3589

 76.7567, 0.3116,
0.3361

 81.7154, 0.3149,
0.3160

 84.5219, 0.3139,
0.3039

Harmonies

Analogous

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



57.7026, 0.3966, 0.5319



57.7026, 0.2939, 0.5363



57.7026, 0.2013, 0.4340

Triad

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



57.7026, 0.2939, 0.5363



57.7026, 0.1488, 0.1732



57.7026, 0.5118, 0.3110

Complementary

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



57.7026, 0.2939, 0.5363



24.3550, 0.3487, 0.1892

Split Complementary

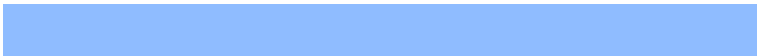
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.7026, 0.4158, 0.2453



57.7026, 0.2939, 0.5363



57.7026, 0.2024, 0.1701

Square

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



57.7026, 0.2939, 0.5363



57.7026, 0.1301, 0.2115



57.7026, 0.2957, 0.1954



57.7026, 0.5339, 0.3842

Rectangle

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



57.7026, 0.2939, 0.5363



57.7026, 0.1591, 0.3410



57.7026, 0.2957, 0.1954



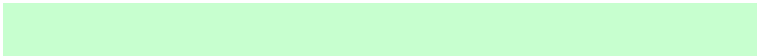
57.7026, 0.4865, 0.2881

Sweetspot

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



57.7050, 0.2939, 0.5363



88.1654, 0.3052, 0.3813



69.5869, 0.3918, 0.5005



18.6127, 0.3043, 0.3887



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.



57.7050, 0.2939, 0.5363



72.1751, 0.2950, 0.5718



59.8382, 0.2582, 0.4180



16.1239, 0.3095, 0.3496



32.1172, 0.2965, 0.5873



2.3843, 0.2902, 0.5646

Inverse Universe

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



24.3550, 0.3487, 0.1892



27.4728, 0.3572, 0.1789



21.4147, 0.4709, 0.2687



14.5764, 0.3161, 0.3092



11.7895, 0.3624, 0.1770



0.8813, 0.3554, 0.1731

Previews

White Background



This preview shows how the Yxy color 57.7026, 0.2939, 0.5363 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 57.7026, 0.2939, 0.5363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

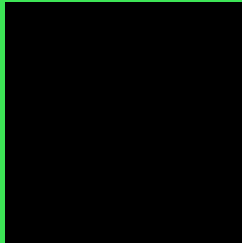
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

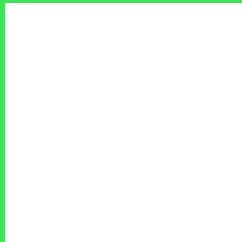
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.7026, 0.2939, 0.5363

Background



This preview shows how black text looks on a background with the Yxy color 57.7026, 0.2939, 0.5363.



This preview shows how white text looks on a background with the Yxy color 57.7026, 0.2939, 0.5363.

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

57.7026, 0.2939, 0.5363

Protanopia

56.2961, 0.4181, 0.4583

Deuteranopia

56.5101, 0.4318, 0.4228



Tritanopia

57.5529, 0.2395, 0.3068

Trichromacy



Original Color

57.7026, 0.2939, 0.5363



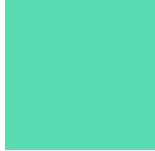
Protanomaly

53.9666, 0.3602, 0.4940



Deuteranomaly

53.3410, 0.3669, 0.4688



Tritanomaly

56.6147, 0.2597, 0.3874

Monochromacy



Original Color

57.7026, 0.2939, 0.5363



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

41.1990, 0.3019, 0.4102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7026, 0.2939, 0.5363 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(61, 229, 86)` looks like.

```
.text, #text, p{  
    color:rgb(61, 229, 86)  
}
```

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(61, 229, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 229, 86) }
```

Border

The CSS property to change the border of an element to Yxy 57.7026, 0.2939, 0.5363 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(61, 229, 86) }
```

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

```
.border{ border-color:rgb(61, 229, 86) }
```

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

Here you see how a box with a 4 pixel rgb(61, 229, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 229, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 229, 86);  
box-shadow:4px 4px 4px 4px rgb(61, 229,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7026, 0.2939, 0.5363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 229, 86) }
```

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

```
.background{ background-color: rgb(61, 229,  
86) }
```

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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