

Converting Colors

$Yxy(57.0967, 0.2933, 0.5363)$

Have a look what the booklet for
Yxy(57.0967, 0.2933, 0.5363)
contains.

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Color

Yxy(57.0885, 0.2932, 0.5361)

Conversions

Conversions Part 1

Format	Color
Hex	3BE456
RGB	59, 228, 86
RGB Percent	23%, 89%, 34%
CMY	0.7690, 0.1058, 0.6627
CMYK	0.74, 0.00, 0.62, 0.11
HSL	130°, 76%, 56%
HSV	130°, 74%, 89%
XYZ	31.2224, 57.0885, 18.1776
YIQ	161.2810, -55.1420, -79.9900

Conversions

Conversions Part 2

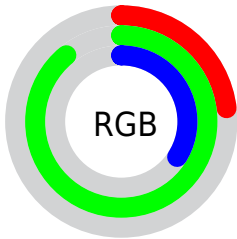
Format	Color
RYB	59, 205, 228
Decimal	3925078
CIELab	80.23, -69.79, 55.79
CIELCh	80, 89.344, 141.361
Yxy	57.0885, 0.2932, 0.5361
Android (android.graphics.Color)	4282115158 (0xFF3BE456)
YUV	161.2810, -37.1135, -89.7004
Hunter-Lab	75.5569, -58.4630, 38.6258

Details

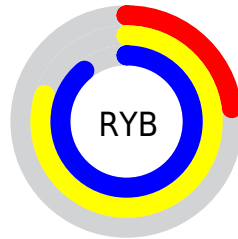
The Yxy color **57.0885, 0.2932, 0.5361** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **23.8263, 0.3516, 0.1900**, and the grayscale version is **35.9620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1593, 0.3010, 0.4733**, and **29.2097, 0.2958, 0.5849** is the 20% darker color. If you saturate the color by 10%, you get **56.2725, 0.2938, 0.5607**, and if you desaturate by 10%, it is **58.2957, 0.2937, 0.5072**.

Distribution



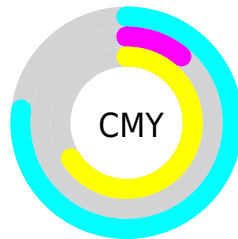
- Red (23%)
- Green (89%)
- Blue (34%)



- Red (23%)
- Yellow (80%)
- Blue (89%)



- Cyan (74%)
- Magenta (0%)
- Yellow (62%)
- Black (11%)



- Cyan (77%)
- Magenta (11%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0885, 0.2932, 0.5361 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 57.0885, 0.2932, 0.5361 by changing the saturation by 10% instead.

 57.0885, 0.2932,
0.5361

 57.0885, 0.2932,
0.5361


413.7808, 0.3095,
0.4278


 41.0763, 0.2870,
0.5634

 100.5943, 0.3007,
0.4962


 28.3787, 0.2777,
0.5981


 128.8567, 0.3031,
0.4814

 18.6113, 0.2635,
0.6428


 161.9713, 0.3049,
0.4688

 11.3898, 0.2406,
0.7010

 200.3225, 0.3063,
0.4582

 6.3296, 0.2068,
0.7932

244.2946, 0.3073,
0.4490

 3.0465, 0.1224,
0.8776

294.2721, 0.3082,

 1.1561, 0.0000,

0.4410

1.0000

350.6394, 0.3089,
0.4340

■ 0.0254, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.0885, 0.2932,
0.5361

■ 57.0885, 0.2932,
0.5361

■ 56.2725, 0.2938,
0.5607

■ 58.2957, 0.2937,
0.5072

■ 55.7909, 0.2955,
0.5795

■ 59.9282, 0.2953,
0.4761


■ 55.6228, 0.2965,
0.5876


■ 62.0243, 0.2977,
0.4446


■ 64.6160, 0.3008,
0.4142

 67.7324, 0.3042,
0.3860

 71.4005, 0.3077,
0.3604

 75.6453, 0.3113,
0.3376

 80.4902, 0.3147,
0.3177

 83.9721, 0.3139,
0.3029

Harmonies

Analogous

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



57.0885, 0.3959, 0.5323



57.0885, 0.2932, 0.5361



57.0885, 0.2007, 0.4331

Triad

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



57.0885, 0.2932, 0.5361



57.0885, 0.1490, 0.1730



57.0885, 0.5124, 0.3115

Complementary

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



57.0885, 0.2932, 0.5361



23.8263, 0.3516, 0.1900

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.



57.0885, 0.4166, 0.2456



57.0885, 0.2932, 0.5361



57.0885, 0.2028, 0.1701

Square

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



57.0885, 0.2932, 0.5361



57.0885, 0.1301, 0.2111



57.0885, 0.2964, 0.1956



57.0885, 0.5339, 0.3847

Rectangle

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



57.0885, 0.2932, 0.5361



57.0885, 0.1587, 0.3401



57.0885, 0.2964, 0.1956



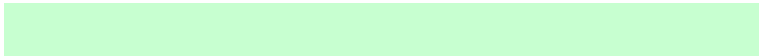
57.0885, 0.4872, 0.2885

Sweetspot

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



57.0909, 0.2932, 0.5361



88.1971, 0.3049, 0.3806



68.4533, 0.3900, 0.5031



18.6200, 0.3039, 0.3879



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.



57.0909, 0.2932, 0.5361



72.1426, 0.2946, 0.5717



59.2768, 0.2567, 0.4147



16.1266, 0.3094, 0.3493



32.1269, 0.2960, 0.5858



2.3856, 0.2895, 0.5620

Inverse Universe

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



23.8263, 0.3516, 0.1900



27.1879, 0.3609, 0.1804



20.9237, 0.4782, 0.2717



14.5735, 0.3162, 0.3095



11.7228, 0.3660, 0.1790



0.8770, 0.3583, 0.1747

Previews

White Background



This preview shows how the Yxy color 57.0885, 0.2932, 0.5361 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 57.0885, 0.2932, 0.5361 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

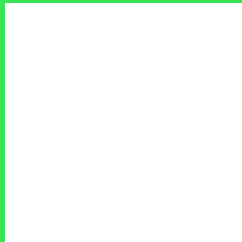
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.0885, 0.2932, 0.5361

Background



This preview shows how black text looks on a background with the Yxy color 57.0885, 0.2932, 0.5361.



This preview shows how white text looks on a background with the Yxy color 57.0885, 0.2932, 0.5361.

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

57.0885, 0.2932, 0.5361

Protanopia

55.6840, 0.4180, 0.4579

Deuteranopia

55.9030, 0.4317, 0.4223



Tritanopia

56.9268, 0.2393, 0.3067

Trichromacy



Original Color

57.0885, 0.2932, 0.5361



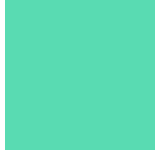
Protanomaly

53.2680, 0.3590, 0.4941



Deuteranomaly

52.7501, 0.3665, 0.4684



Tritanomaly

56.0012, 0.2595, 0.3877

Monochromacy



Original Color

57.0885, 0.2932, 0.5361



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

40.7042, 0.3011, 0.4091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0885, 0.2932, 0.5361 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(59, 228, 86)` looks like.

```
.text, #text, p{  
    color:rgb(59, 228, 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(59, 228, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 228, 86) }
```

Border

The CSS property to change the border of an element to Yxy 57.0885, 0.2932, 0.5361 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(59, 228, 86) }
```

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

```
.border{ border-color:rgb(59, 228, 86) }
```

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

Here you see how a box with a 4 pixel rgb(59, 228, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 228, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 228, 86);  
box-shadow:4px 4px 4px 4px rgb(59, 228,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0885, 0.2932, 0.5361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 228, 86) }
```

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

```
.background{ background-color: rgb(59, 228,  
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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