

Converting Colors

Yxy(56.4016, 0.2858, 0.5236)

Have a look what the booklet for
Yxy(56.4016, 0.2858, 0.5236)
contains.

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Color

Yxy(56.4056, 0.2858, 0.5233)

Conversions

Conversions Part 1

Format	Color
Hex	2FE361
RGB	47, 227, 97
RGB Percent	18%, 89%, 38%
CMY	0.8150, 0.1098, 0.6195
CMYK	0.79, 0.00, 0.57, 0.11
HSL	137°, 76%, 54%
HSV	137°, 79%, 89%
XYZ	30.8059, 56.4056, 20.5768
YIQ	158.3600, -65.5500, -78.5900

Conversions

Conversions Part 2

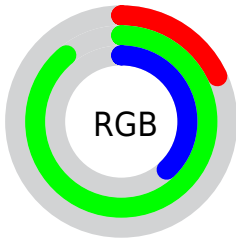
Format	Color
RYB	47, 188, 227
Decimal	3138401
CIELab	79.84, -69.67, 50.48
CIELCh	80, 86.031, 144.075
Yxy	56.4056, 0.2858, 0.5233
Android (android.graphics.Color)	4281328481 (0xFF2FE361)
YUV	158.3600, -30.2505, -97.6627
Hunter-Lab	75.1037, -58.2146, 36.3284

Details

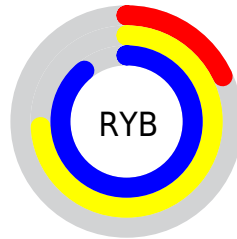
The Yxy color **56.4056, 0.2858, 0.5233** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed spring green. A complement of this color would be **21.5587, 0.3838, 0.2036**, and the grayscale version is **34.5526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9653, 0.2926, 0.4608**, and **28.9239, 0.2914, 0.5691** is the 20% darker color. If you saturate the color by 10%, you get **55.7242, 0.2876, 0.5465**, and if you desaturate by 10%, it is **57.4355, 0.2856, 0.4972**.

Distribution



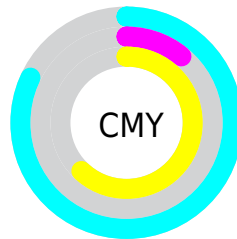
- Red (18%)
- Green (89%)
- Blue (38%)



- Red (18%)
- Yellow (74%)
- Blue (89%)



- Cyan (79%)
- Magenta (0%)
- Yellow (57%)
- Black (11%)



- Cyan (82%)
- Magenta (11%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4056, 0.2858, 0.5233 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 56.4056, 0.2858, 0.5233 by changing the saturation by 10% instead.


 56.4056, 0.2858,
0.5233

 56.4056, 0.2858,
0.5233


411.2183, 0.3047,
0.4211


 40.5282, 0.2793,
0.5495


 99.5974, 0.2940,
0.4855

 27.9506, 0.2700,
0.5830


 127.6805, 0.2966,
0.4714

 18.2884, 0.2560,
0.6270


 160.6011, 0.2987,
0.4596

 11.1573, 0.2338,
0.6858

 198.7434, 0.3004,
0.4496

 6.1727, 0.2033,
0.7880

 242.4919, 0.3018,
0.4410

 2.9504, 0.1161,
0.8839

292.2309, 0.3029,

 1.1059, 0.0000,

0.4335

1.0000

348.3449, 0.3039,
0.4269

■ 0.0000, 0.0000,
0.0000

■ 56.4056, 0.2858,
0.5233

■ 56.4056, 0.2858,
0.5233

■ 55.7242, 0.2876,
0.5465

■ 57.4355, 0.2856,
0.4972

■ 55.3198, 0.2906,
0.5656


■ 58.8485, 0.2869,
0.4695


■ 55.2937, 0.2908,
0.5670


■ 60.6828, 0.2896,
0.4417


■ 62.9695, 0.2933,
0.4148

■ 65.7370, 0.2978,
0.3897

 69.0113, 0.3028,
0.3666

 72.8165, 0.3079,
0.3460

 77.1751, 0.3131,
0.3276

 82.1083, 0.3182,
0.3116

Harmonies

Analogous

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



56.4056, 0.3862, 0.5304



56.4056, 0.2858, 0.5233



56.4056, 0.1977, 0.4173

Triad

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



56.4056, 0.2858, 0.5233



56.4056, 0.1563, 0.1755



56.4056, 0.5112, 0.3191

Complementary

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



56.4056, 0.2858, 0.5233



21.5587, 0.3838, 0.2036

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.



56.4056, 0.4237, 0.2534



56.4056, 0.2858, 0.5233



56.4056, 0.2126, 0.1751

Square

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



56.4056, 0.2858, 0.5233



56.4056, 0.1348, 0.2096



56.4056, 0.3071, 0.2025



56.4056, 0.5259, 0.3916

Rectangle

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



56.4056, 0.2858, 0.5233



56.4056, 0.1589, 0.3289



56.4056, 0.3071, 0.2025



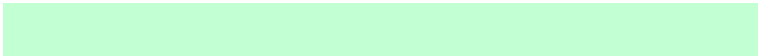
56.4056, 0.4889, 0.2962

Sweetspot

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



56.4079, 0.2858, 0.5233



87.6541, 0.3003, 0.3777



64.7317, 0.3755, 0.5218



18.4434, 0.2985, 0.3861



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.



56.4079, 0.2858, 0.5233



72.1812, 0.2895, 0.5592



59.0489, 0.2464, 0.3890



16.1545, 0.3078, 0.3464



32.2659, 0.2901, 0.5645



2.3997, 0.2821, 0.5356

Inverse Universe

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



21.5587, 0.3838, 0.2036



25.1663, 0.4026, 0.2008



19.1016, 0.5312, 0.2940



14.5435, 0.3180, 0.3122



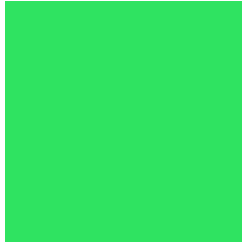
11.1100, 0.4058, 0.2009



0.8365, 0.3906, 0.1925

Previews

White Background



This preview shows how the Yxy color 56.4056, 0.2858, 0.5233 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 56.4056, 0.2858, 0.5233 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 56.4056, 0.2858, 0.5233

Background



This preview shows how black text looks on a background with the Yxy color 56.4056, 0.2858, 0.5233.

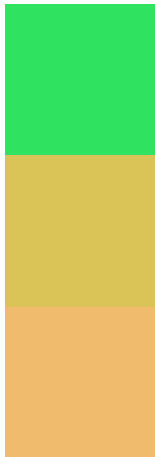


This preview shows how white text looks on a background with the Yxy color 56.4056, 0.2858, 0.5233.

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

56.4056, 0.2858, 0.5233

Protanopia

55.0734, 0.4114, 0.4498

Deuteranopia

55.1486, 0.4228, 0.4133



Tritanopia

55.9543, 0.2368, 0.3065

Trichromacy



Original Color

56.4056, 0.2858, 0.5233



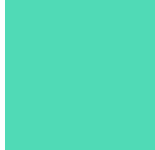
Protanomaly

52.4489, 0.3498, 0.4839



Deuteranomaly

51.7866, 0.3559, 0.4585



Tritanomaly

55.2257, 0.2539, 0.3808

Monochromacy



Original Color

56.4056, 0.2858, 0.5233



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.4961, 0.2952, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4056, 0.2858, 0.5233 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(47, 227, 97)` looks like.

```
.text, #text, p{  
    color:rgb(47, 227, 97)  
}
```

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(47, 227, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 227, 97) }
```

Border

The CSS property to change the border of an element to Yxy 56.4056, 0.2858, 0.5233 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(47, 227, 97) }
```

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

```
.border{ border-color:rgb(47, 227, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 227, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 227, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 227, 97);  
box-shadow:4px 4px 4px 4px rgb(47, 227,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4056, 0.2858, 0.5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 227, 97) }
```

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

```
.background{ background-color: rgb(47, 227,  
97) }
```

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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