

Converting Colors

$Y_{xy}(55.8773, 0.2818, 0.5289)$

Have a look what the booklet for
Yxy(55.8773, 0.2818, 0.5289)
contains.

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Color

Yxy(55.8930, 0.2817, 0.5287)

Conversions

Conversions Part 1

Format	Color
Hex	12E35F
RGB	18, 227, 95
RGB Percent	7%, 89%, 37%
CMY	0.9303, 0.1098, 0.6275
CMYK	0.92, 0.00, 0.58, 0.11
HSL	142°, 85%, 48%
HSV	142°, 92%, 89%
XYZ	29.7807, 55.8930, 20.0441
YIQ	149.4610, -82.1920, -85.3600

Conversions

Conversions Part 2

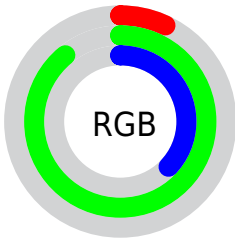
Format	Color
RYB	18, 171, 227
Decimal	1237855
CIELab	79.55, -72.26, 50.97
CIELCh	80, 88.434, 144.802
Yxy	55.8930, 0.2817, 0.5287
Android (android.graphics.Color)	4279427935 (0xFF12E35F)
YUV	149.4610, -26.8493, -115.2913
Hunter-Lab	74.7616, -59.7288, 36.4371

Details

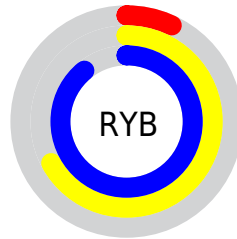
The Yxy color **55.8930, 0.2817, 0.5287** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **18.9525, 0.4307, 0.2184**, and the grayscale version is **30.3724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1347, 0.2887, 0.4652**, and **28.9095, 0.2921, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **55.5794, 0.2844, 0.5439**, and if you desaturate by 10%, it is **56.5144, 0.2793, 0.5069**.

Distribution



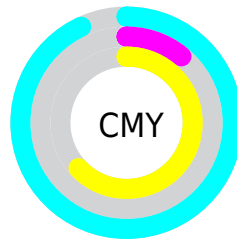
- Red (7%)
- Green (89%)
- Blue (37%)



- Red (7%)
- Yellow (67%)
- Blue (89%)



- Cyan (92%)
- Magenta (0%)
- Yellow (58%)
- Black (11%)




- Cyan (93%)
- Magenta (11%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8930, 0.2817, 0.5287 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 55.8930, 0.2817, 0.5287 by changing the saturation by 10% instead.


 55.8930, 0.2817,
0.5287


 55.8930, 0.2817,
0.5287


409.2881, 0.3028,
0.4233

 40.1171, 0.2746,
0.5558


 98.8481, 0.2908,
0.4896

 27.6299, 0.2644,
0.5906


 126.7962, 0.2937,
0.4751


 18.0469, 0.2493,
0.6361


 159.5704, 0.2961,
0.4629

 10.9836, 0.2254,
0.6969

 197.5552, 0.2980,
0.4526

 6.0558, 0.1935,
0.8065

 241.1350, 0.2996,
0.4437

 2.8791, 0.0925,
0.9075

290.6941, 0.3008,

 1.0689, 0.0000,

0.4360

1.0000

346.6171, 0.3019,
0.4293

■ 0.0000, 0.0000,
0.0000

■ 55.8930, 0.2817,
0.5287

■ 55.8930, 0.2817,
0.5287

■ 55.5794, 0.2844,
0.5439

■ 56.5144, 0.2793,
0.5069

■ 57.4514, 0.2788,
0.4832

■ 58.7492, 0.2801,
0.4586

■ 60.4435, 0.2830,
0.4340

■ 62.5657, 0.2873,
0.4102

■ 65.1439, 0.2925,
0.3879

■ 68.2037, 0.2985,
0.3674

■ 71.7688, 0.3048,
0.3489

■ 75.8613, 0.3113,
0.3323

Harmonies

Analogous

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



55.8930, 0.3844, 0.5368



55.8930, 0.2817, 0.5287



55.8930, 0.1925, 0.4168

Triad

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



55.8930, 0.2817, 0.5287



55.8930, 0.1537, 0.1715



55.8930, 0.5184, 0.3197

Complementary

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



55.8930, 0.2817, 0.5287



18.9525, 0.4307, 0.2184

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.



55.8930, 0.4298, 0.2528



55.8930, 0.2817, 0.5287



55.8930, 0.2118, 0.1720

Square

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



55.8930, 0.2817, 0.5287



55.8930, 0.1310, 0.2049



55.8930, 0.3095, 0.2005



55.8930, 0.5307, 0.3935

Rectangle

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



55.8930, 0.2817, 0.5287



55.8930, 0.1538, 0.3253



55.8930, 0.3095, 0.2005



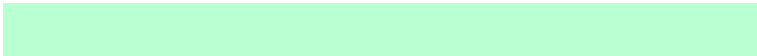
55.8930, 0.4962, 0.2964

Sweetspot

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



55.8953, 0.2817, 0.5287



86.3118, 0.2948, 0.3795



61.4970, 0.3589, 0.5490



18.1230, 0.2923, 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.



55.8953, 0.2817, 0.5287



72.3303, 0.2847, 0.5451



59.1977, 0.2366, 0.3682



16.1767, 0.3066, 0.3442



32.4321, 0.2837, 0.5411



2.4141, 0.2754, 0.5115

Inverse Universe

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



18.9525, 0.4307, 0.2184



23.8291, 0.4444, 0.2222



16.9522, 0.6058, 0.3172



14.5202, 0.3194, 0.3143



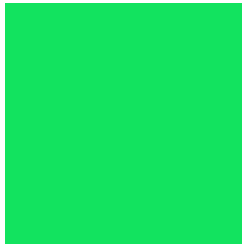
10.7079, 0.4411, 0.2204



0.8091, 0.4189, 0.2082

Previews

White Background



This preview shows how the Yxy color 55.8930, 0.2817, 0.5287 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 55.8930, 0.2817, 0.5287 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 55.8930, 0.2817, 0.5287

Background



This preview shows how black text looks on a background with the Yxy color 55.8930, 0.2817, 0.5287.



This preview shows how white text looks on a background with the Yxy color 55.8930, 0.2817, 0.5287.

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

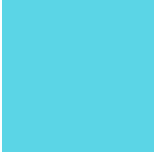
55.8930, 0.2817, 0.5287

Protanopia

54.8874, 0.4117, 0.4520

Deuteranopia

54.5091, 0.4241, 0.4146



Tritanopia

55.5258, 0.2339, 0.3063

Trichromacy



Original Color

55.8930, 0.2817, 0.5287



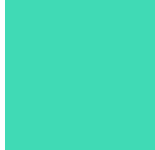
Protanomaly

51.3667, 0.3421, 0.4909



Deuteranomaly

50.1035, 0.3482, 0.4641



Tritanomaly

54.5690, 0.2494, 0.3830

Monochromacy



Original Color

55.8930, 0.2817, 0.5287



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.7960, 0.2873, 0.4105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8930, 0.2817, 0.5287 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(18, 227, 95)` looks like.

```
.text, #text, p{  
    color:rgb(18, 227, 95)  
}
```

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(18, 227, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 227, 95) }
```

Border

The CSS property to change the border of an element to Yxy 55.8930, 0.2817, 0.5287 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(18, 227, 95) }
```

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

```
.border{ border-color:rgb(18, 227, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 227, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 227, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 227, 95);  
box-shadow:4px 4px 4px 4px rgb(18, 227,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8930, 0.2817, 0.5287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 227, 95) }
```

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

```
.background{ background-color: rgb(18, 227,  
95) }
```

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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