

Converting Colors

$Y_{xy}(55.9981, 0.2958, 0.5757)$

Have a look what the booklet for
Yxy(55.9981, 0.2958, 0.5757)
contains.

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Color

Yxy(55.9289, 0.2957, 0.5754)

Conversions

Conversions Part 1

Format	Color
Hex	18E434
RGB	24, 228, 52
RGB Percent	9%, 89%, 20%
CMY	0.9054, 0.1059, 0.7961
CMYK	0.89, 0.00, 0.77, 0.11
HSL	128°, 81%, 49%
HSV	128°, 89%, 89%
XYZ	28.7421, 55.9289, 12.5291
YIQ	146.9400, -65.0880, -97.9840

Conversions

Conversions Part 2

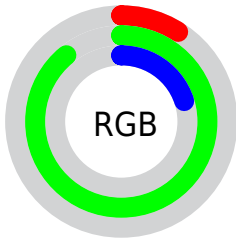
Format	Color
RYB	24, 203, 228
Decimal	1631284
CIELab	79.57, -76.35, 67.50
CIELCh	80, 101.910, 138.518
Yxy	55.9289, 0.2957, 0.5754
Android (android.graphics.Color)	4279821364 (0xFF18E434)
YUV	146.9400, -46.8054, -107.8184
Hunter-Lab	74.7856, -62.2727, 42.4169

Details

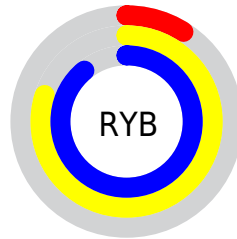
The Yxy color **55.9289, 0.2957, 0.5754** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **21.3283, 0.3544, 0.1767**, and the grayscale version is **29.3856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3807, 0.3064, 0.5106**, and **29.1258, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **55.6021, 0.2973, 0.5898**, and if you desaturate by 10%, it is **56.5539, 0.2947, 0.5543**.

Distribution



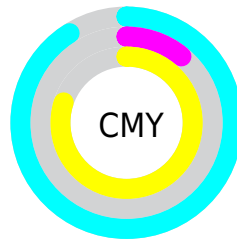
- Red (9%)
- Green (89%)
- Blue (20%)



- Red (9%)
- Yellow (80%)
- Blue (89%)



- Cyan (89%)
- Magenta (0%)
- Yellow (77%)
- Black (11%)





- Cyan (91%)
- Magenta (11%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9289, 0.2957, 0.5754 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 55.9289, 0.2957, 0.5754 by changing the saturation by 10% instead.


 55.9289, 0.2957,
0.5754


 55.9289, 0.2957,
0.5754


409.4235, 0.3143,
0.4468

 40.1459, 0.2877,
0.6069


 98.9006, 0.3050,
0.5286

 27.6523, 0.2755,
0.6458


 126.8581, 0.3077,
0.5109


 18.0637, 0.2565,
0.6941


 159.6426, 0.3097,
0.4960

 10.9958, 0.2303,
0.7662


 197.6385, 0.3112,
0.4832

 6.0640, 0.1784,
0.8216

 241.2301, 0.3123,
0.4722

 2.8840, 0.0636,
0.9364

290.8019, 0.3132,

 1.0715, 0.0000,

0.4626

1.0000

346.7382, 0.3138,
0.4542

■ 0.0000, 0.0000,
0.0000

■ 55.9289, 0.2957,
0.5754

■ 55.9289, 0.2957,
0.5754

■ 55.6021, 0.2973,
0.5898

■ 56.5539, 0.2947,
0.5543

■ 55.5874, 0.2973,
0.5905


■ 57.5411, 0.2948,
0.5275


■ 58.9388, 0.2958,
0.4969

■ 60.7859, 0.2977,
0.4648

■ 63.1169, 0.3003,
0.4329

 65.9628, 0.3033,
0.4026

 69.3520, 0.3065,
0.3748

 73.3110, 0.3097,
0.3498

 77.8643, 0.3129,
0.3278

Harmonies

Analogous

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



55.9289, 0.4084, 0.5493



55.9289, 0.2957, 0.5754



55.9289, 0.1924, 0.4657

Triad

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



55.9289, 0.2957, 0.5754



55.9289, 0.1291, 0.1580



55.9289, 0.5333, 0.2982

Complementary

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



55.9289, 0.2957, 0.5754



21.3283, 0.3544, 0.1767

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.



55.9289, 0.4176, 0.2291



55.9289, 0.2957, 0.5754



55.9289, 0.1824, 0.1529

Square

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



55.9289, 0.2957, 0.5754



55.9289, 0.1119, 0.2013



55.9289, 0.2810, 0.1775



55.9289, 0.5619, 0.3750

Rectangle

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



55.9289, 0.2957, 0.5754



55.9289, 0.1449, 0.3539



55.9289, 0.2810, 0.1775



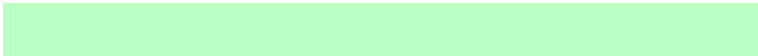
55.9289, 0.5023, 0.2741

Sweetspot

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



55.9312, 0.2957, 0.5754



85.9437, 0.3040, 0.3961



67.9462, 0.3961, 0.5181



18.0977, 0.3029, 0.4061



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.



55.9312, 0.2957, 0.5754



71.6406, 0.2975, 0.5910



57.9913, 0.2577, 0.4409



16.1211, 0.3097, 0.3499



32.1078, 0.2969, 0.5888



2.3829, 0.2909, 0.5673

Inverse Universe

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



21.3283, 0.3544, 0.1767



26.4341, 0.3596, 0.1755



18.0511, 0.5233, 0.2733



14.5795, 0.3159, 0.3090



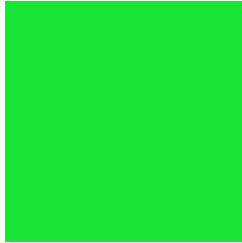
11.8603, 0.3587, 0.1749



0.8858, 0.3523, 0.1715

Previews

White Background



This preview shows how the Yxy color 55.9289, 0.2957, 0.5754 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 55.9289, 0.2957, 0.5754 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 55.9289, 0.2957, 0.5754

Background



This preview shows how black text looks on a background with the Yxy color 55.9289, 0.2957, 0.5754.



This preview shows how white text looks on a background with the Yxy color 55.9289, 0.2957, 0.5754.

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

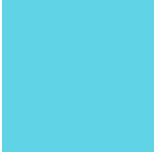
55.9289, 0.2957, 0.5754

Protanopia

54.8773, 0.4325, 0.4774

Deuteranopia

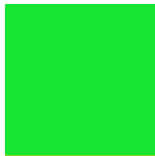
54.3732, 0.4516, 0.4403



Tritanopia

55.2869, 0.2353, 0.3051

Trichromacy



Original Color

55.9289, 0.2957, 0.5754



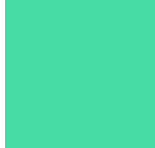
Protanomaly

51.7065, 0.3620, 0.5278



Deuteranomaly

50.0247, 0.3727, 0.5027



Tritanomaly

54.1615, 0.2590, 0.4079

Monochromacy



Original Color

55.9289, 0.2957, 0.5754



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

35.0453, 0.2998, 0.4391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9289, 0.2957, 0.5754 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(24, 228, 52)` looks like.

```
.text, #text, p{  
    color:rgb(24, 228, 52)  
}
```

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(24, 228, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 228, 52) }
```

Border

The CSS property to change the border of an element to Yxy 55.9289, 0.2957, 0.5754 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(24, 228, 52) }
```

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

```
.border{ border-color:rgb(24, 228, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 228, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 228, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 228, 52);  
box-shadow:4px 4px 4px 4px rgb(24, 228,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9289, 0.2957, 0.5754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 228, 52) }
```

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

```
.background{ background-color: rgb(24, 228,  
52) }
```

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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