

Converting Colors

$Y_{xy}(58.1829, 0.2958, 0.5768)$

Have a look what the booklet for
Yxy(58.1829, 0.2958, 0.5768)
contains.

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Color

Yxy(58.1433, 0.2957, 0.5764)

Conversions

Conversions Part 1

Format	Color
Hex	17E834
RGB	23, 232, 52
RGB Percent	9%, 91%, 20%
CMY	0.9102, 0.0902, 0.7960
CMYK	0.90, 0.00, 0.78, 0.09
HSL	128°, 82%, 50%
HSV	128°, 90%, 91%
XYZ	29.8282, 58.1433, 12.9017
YIQ	148.9890, -66.7840, -100.2880

Conversions

Conversions Part 2

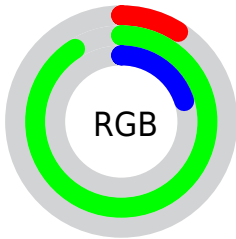
Format	Color
RYB	23, 207, 232
Decimal	1566772
CIELab	80.82, -77.54, 68.69
CIELCh	81, 103.592, 138.461
Yxy	58.1433, 0.2957, 0.5764
Android (android.graphics.Color)	4279756852 (0xFF17E834)
YUV	148.9890, -47.8156, -110.4924
Hunter-Lab	76.2518, -63.6149, 43.3445

Details

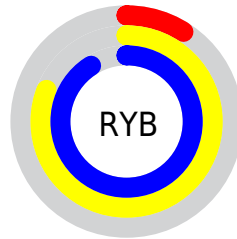
The Yxy color **58.1433, 0.2957, 0.5764** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **22.0707, 0.3555, 0.1769**, and the grayscale version is **30.2641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4718, 0.3065, 0.5093**, and **30.6599, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.8228, 0.2973, 0.5903**, and if you desaturate by 10%, it is **58.7674, 0.2946, 0.5557**.

Distribution



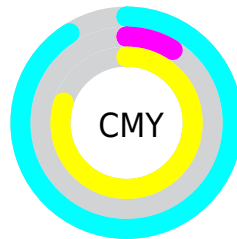
- Red (9%)
- Green (91%)
- Blue (20%)



- Red (9%)
- Yellow (81%)
- Blue (91%)



- Cyan (90%)
- Magenta (0%)
- Yellow (78%)
- Black (9%)





- Cyan (91%)
- Magenta (9%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1433, 0.2957, 0.5764 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 58.1433, 0.2957, 0.5764 by changing the saturation by 10% instead.

 58.1433, 0.2957,
0.5764


 58.1433, 0.2957,
0.5764


417.7197, 0.3143,
0.4481


 41.9239, 0.2877,
0.6075


 102.1315, 0.3050,
0.5299


 29.0417, 0.2757,
0.6459

 130.6691, 0.3077,
0.5123


 19.1124, 0.2571,
0.6932


 164.0815, 0.3097,
0.4974

 11.7515, 0.2310,
0.7614

 202.7531, 0.3112,
0.4847

 6.5747, 0.1816,
0.8184

 247.0683, 0.3123,
0.4736

 3.1976, 0.0852,
0.9148

297.4116, 0.3132,

 1.2357, 0.0000,

0.4640

1.0000

354.1672, 0.3138,
0.4556

■ 0.0906, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1433, 0.2957,
0.5764

■ 58.1433, 0.2957,
0.5764


■ 57.8228, 0.2973,
0.5903

■ 58.7674, 0.2946,
0.5557


■ 59.7646, 0.2946,
0.5292


■ 61.1856, 0.2955,
0.4989

■ 63.0717, 0.2974,
0.4669

 65.4589, 0.2999,
0.4349

 68.3798, 0.3029,
0.4045

 71.8643, 0.3062,
0.3766

 75.9400, 0.3095,
0.3515

 80.6325, 0.3127,
0.3293

Harmonies

Analogous

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



58.1433, 0.4087, 0.5497



58.1433, 0.2957, 0.5764



58.1433, 0.1922, 0.4665

Triad

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



58.1433, 0.2957, 0.5764



58.1433, 0.1286, 0.1576



58.1433, 0.5339, 0.2979

Complementary

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



58.1433, 0.2957, 0.5764



22.0707, 0.3555, 0.1769

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.



58.1433, 0.4176, 0.2287



58.1433, 0.2957, 0.5764



58.1433, 0.1819, 0.1525

Square

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



58.1433, 0.2957, 0.5764



58.1433, 0.1114, 0.2010



58.1433, 0.2806, 0.1771



58.1433, 0.5626, 0.3747

Rectangle

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



58.1433, 0.2957, 0.5764



58.1433, 0.1446, 0.3542



58.1433, 0.2806, 0.1771



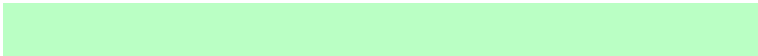
58.1433, 0.5027, 0.2737

Sweetspot

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



58.1457, 0.2957, 0.5764



85.9518, 0.3039, 0.3959



70.6330, 0.3962, 0.5187



18.0995, 0.3028, 0.4058



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.



58.1457, 0.2957, 0.5764



71.6445, 0.2974, 0.5908



60.2752, 0.2578, 0.4420



16.1217, 0.3097, 0.3498



32.1098, 0.2968, 0.5885



2.3832, 0.2907, 0.5667

Inverse Universe

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



22.0707, 0.3555, 0.1769



26.3992, 0.3604, 0.1759



18.6769, 0.5259, 0.2738



14.5789, 0.3159, 0.3090



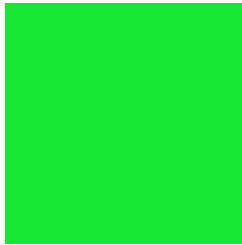
11.8449, 0.3595, 0.1754



0.8849, 0.3530, 0.1718

Previews

White Background



This preview shows how the Yxy color 58.1433, 0.2957, 0.5764 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 58.1433, 0.2957, 0.5764 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 58.1433, 0.2957, 0.5764

Background



This preview shows how black text looks on a background with the Yxy color 58.1433, 0.2957, 0.5764.

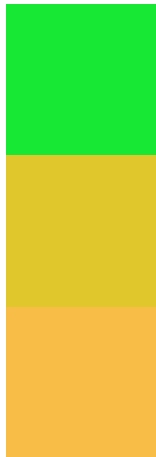


This preview shows how white text looks on a background with the Yxy color 58.1433, 0.2957, 0.5764.

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

58.1433, 0.2957, 0.5764

Protanopia

56.7167, 0.4324, 0.4780

Deuteranopia

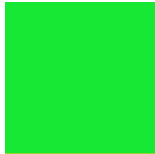
56.8066, 0.4510, 0.4413



Tritanopia

57.6489, 0.2355, 0.3055

Trichromacy



Original Color

58.1433, 0.2957, 0.5764



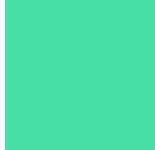
Protanomaly

53.2778, 0.3613, 0.5290



Deuteranomaly

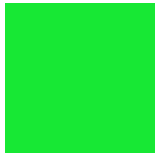
52.1398, 0.3718, 0.5037



Tritanomaly

56.4093, 0.2589, 0.4080

Monochromacy



Original Color

58.1433, 0.2957, 0.5764



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

36.3387, 0.2992, 0.4393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1433, 0.2957, 0.5764 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(23, 232, 52)` looks like.

```
.text, #text, p{  
    color:rgb(23, 232, 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(23, 232, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 232, 52) }
```

Border

The CSS property to change the border of an element to Yxy 58.1433, 0.2957, 0.5764 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(23, 232, 52) }
```

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

```
.border{ border-color:rgb(23, 232, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 232, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 232, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 232, 52);  
box-shadow:4px 4px 4px 4px rgb(23, 232,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1433, 0.2957, 0.5764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 232, 52) }
```

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

```
.background{ background-color: rgb(23, 232,  
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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