

Converting Colors

$Y_{xy}(58.3045, 0.2641, 0.4660)$

Have a look what the booklet for
Yxy(58.3045, 0.2641, 0.4660)
contains.

Yxy(58.5863, 0.2640, 0.4658)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.5863, 0.2640, 0.4658)

Conversions

Conversions Part 1

Format	Color
Hex	12E68B
RGB	18, 230, 139
RGB Percent	7%, 90%, 55%
CMY	0.9299, 0.0980, 0.4549
CMYK	0.92, 0.00, 0.40, 0.10
HSL	154°, 86%, 49%
HSV	154°, 92%, 90%
XYZ	33.2048, 58.5863, 33.9846
YIQ	156.2380, -97.1410, -73.2450

Conversions

Conversions Part 2

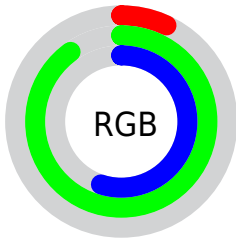
Format	Color
RYB	18, 153, 230
Decimal	1238667
CIELab	81.06, -66.23, 31.69
CIELCh	81, 73.420, 154.433
Yxy	58.5863, 0.2640, 0.4658
Android (android.graphics.Color)	4279428747 (0xFF12E68B)
YUV	156.2380, -8.4983, -121.2347
Hunter-Lab	76.5417, -56.5123, 27.2544

Details

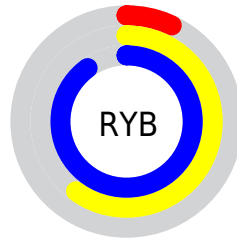
The Yxy color **58.5863, 0.2640, 0.4658** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.3547, 0.5082, 0.2620**, and the grayscale version is **33.4145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8150, 0.2687, 0.4067**, and **30.5917, 0.2714, 0.4970** is the 20% darker color. If you saturate the color by 10%, you get **58.2446, 0.2662, 0.4783**, and if you desaturate by 10%, it is **59.2319, 0.2626, 0.4493**.

Distribution



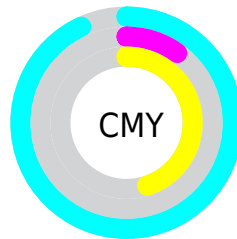
- Red (7%)
- Green (90%)
- Blue (55%)



- Red (7%)
- Yellow (60%)
- Blue (90%)



- Cyan (92%)
- Magenta (0%)
- Yellow (40%)
- Black (10%)




- Cyan (93%)
- Magenta (10%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5863, 0.2640, 0.4658 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 58.5863, 0.2640, 0.4658 by changing the saturation by 10% instead.


 58.5863, 0.2640,
0.4658


 58.5863, 0.2640,
0.4658


419.3671, 0.2901,
0.3947


 42.2802, 0.2570,
0.4842


 102.7762, 0.2739,
0.4395


 29.3207, 0.2478,
0.5080

 131.4287, 0.2775,
0.4297

 19.3236, 0.2351,
0.5400


 164.9655, 0.2805,
0.4215

 11.9043, 0.2169,
0.5848

 203.7709, 0.2830,
0.4146

 6.6786, 0.1889,
0.6506

 248.2294, 0.2852,
0.4086

 3.2619, 0.1433,
0.7794

298.7253, 0.2870,

 1.2699, 0.0000,

0.4034

1.0000

355.6431, 0.2887,
0.3988

■ 0.1178, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5863, 0.2640,
0.4658

■ 58.5863, 0.2640,
0.4658


■ 58.2446, 0.2662,
0.4783


■ 59.2319, 0.2626,
0.4493

■ 60.1774, 0.2633,
0.4324


■ 61.4677, 0.2659,
0.4155


■ 63.1383, 0.2705,
0.3990

 65.2202, 0.2766,
0.3833

 67.7409, 0.2840,
0.3685

 70.7257, 0.2923,
0.3549

 74.1976, 0.3013,
0.3425

 78.1784, 0.3106,
0.3313

Harmonies

Analogous

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



58.5863, 0.3513, 0.5057



58.5863, 0.2640, 0.4658



58.5863, 0.1950, 0.3653

Triad

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



58.5863, 0.2640, 0.4658



58.5863, 0.1895, 0.1914



58.5863, 0.4936, 0.3462

Complementary

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



58.5863, 0.2640, 0.4658



18.3547, 0.5082, 0.2620

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.



58.5863, 0.4376, 0.2838



58.5863, 0.2640, 0.4658



58.5863, 0.2519, 0.1995

Square

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



58.5863, 0.2640, 0.4658



58.5863, 0.1593, 0.2123



58.5863, 0.3428, 0.2321



58.5863, 0.4882, 0.4126

Rectangle

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



58.5863, 0.2640, 0.4658



58.5863, 0.1678, 0.2977



58.5863, 0.3428, 0.2321



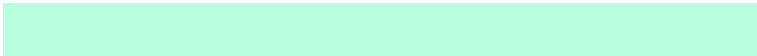
58.5863, 0.4814, 0.3247

Sweetspot

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



58.5886, 0.2640, 0.4658



87.0628, 0.2873, 0.3628



59.9428, 0.3314, 0.5706



18.3020, 0.2838, 0.3689



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.



58.5886, 0.2640, 0.4658



73.5829, 0.2664, 0.4791



54.8835, 0.2202, 0.3095



16.2264, 0.3039, 0.3393



32.9979, 0.2655, 0.4757



2.4570, 0.2589, 0.4521

Inverse Universe

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



18.3547, 0.5082, 0.2620



22.3728, 0.5306, 0.2696



17.9019, 0.6225, 0.3350



14.4701, 0.3225, 0.3190



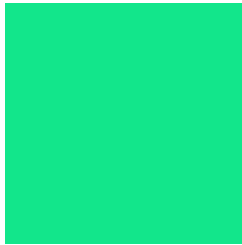
10.0541, 0.5253, 0.2667



0.7613, 0.4882, 0.2463

Previews

White Background



This preview shows how the Yxy color 58.5863, 0.2640, 0.4658 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 58.5863, 0.2640, 0.4658 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 58.5863, 0.2640, 0.4658

Background



This preview shows how black text looks on a background with the Yxy color 58.5863, 0.2640, 0.4658.

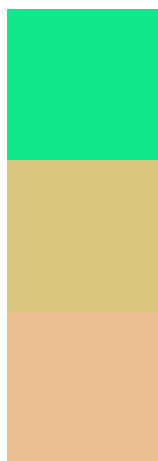


This preview shows how white text looks on a background with the Yxy color 58.5863, 0.2640, 0.4658.

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

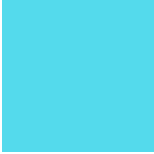
58.5863, 0.2640, 0.4658

Protanopia

57.1309, 0.3822, 0.4130

Deuteranopia

57.0619, 0.3850, 0.3772



Tritanopia

58.0838, 0.2306, 0.3054

Trichromacy



Original Color

58.5863, 0.2640, 0.4658



Protanomaly

53.7516, 0.3172, 0.4392



Deuteranomaly

52.7749, 0.3170, 0.4115



Tritanomaly

57.4203, 0.2404, 0.3583

Monochromacy



Original Color

58.5863, 0.2640, 0.4658



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

39.1332, 0.2771, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5863, 0.2640, 0.4658 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, 230, 139)` looks like.

```
.text, #text, p{  
    color:rgb(18, 230, 139)  
}
```

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, 230, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 230, 139) }
```

Border

The CSS property to change the border of an element to Yxy 58.5863, 0.2640, 0.4658 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, 230, 139) }
```

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

```
.border{ border-color:rgb(18, 230, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 230, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 230, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 230, 139);  
box-shadow:4px 4px 4px 4px rgb(18, 230,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5863, 0.2640, 0.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 230, 139) }
```

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

```
.background{ background-color: rgb(18, 230,  
139) }
```

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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