

Converting Colors

$Y_{xy}(57.9702, 0.2560, 0.4372)$

Have a look what the booklet for
Yxy(57.9702, 0.2560, 0.4372)
contains.

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Color

Yxy(58.0157, 0.2558, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	12E49C
RGB	18, 228, 156
RGB Percent	7%, 89%, 61%
CMY	0.9308, 0.1059, 0.3881
CMYK	0.92, 0.00, 0.32, 0.11
HSL	159°, 86%, 48%
HSV	159°, 92%, 89%
XYZ	33.9909, 58.0157, 40.8741
YIQ	157.0020, -102.0480, -66.9120

Conversions

Conversions Part 2

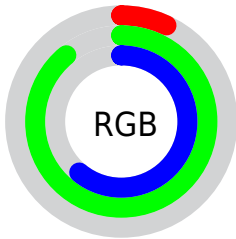
Format	Color
R_{YB}	18, 145, 228
Decimal	1238172
CIE _{Lab}	80.75, -62.11, 22.53
CIE _{LCh}	81, 66.071, 160.062
Yxy	58.0157, 0.2558, 0.4366
Android (android.graphics.Color)	4279428252 (0xFF12E49C)
YUV	157.0020, -0.4940, -121.9048
Hunter-Lab	76.1680, -53.6364, 21.5008

Details

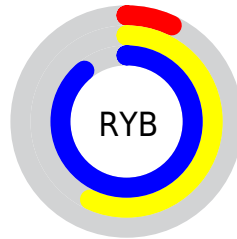
The Yxy color **58.0157, 0.2558, 0.4366** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.6486, 0.5412, 0.2806**, and the grayscale version is **33.7091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6027, 0.2602, 0.3830**, and **30.1253, 0.2617, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **57.6931, 0.2574, 0.4466**, and if you desaturate by 10%, it is **58.6259, 0.2551, 0.4234**.

Distribution



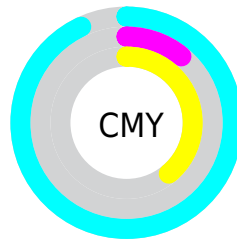
- Red (7%)
- Green (89%)
- Blue (61%)



- Red (7%)
- Yellow (57%)
- Blue (89%)



- Cyan (92%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)





- Cyan (93%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0157, 0.2558, 0.4366 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 58.0157, 0.2558, 0.4366 by changing the saturation by 10% instead.


 58.0157, 0.2558,
0.4366


 58.0157, 0.2558,
0.4366


417.2444, 0.2848,
0.3813


 41.8213, 0.2485,
0.4508


 101.9457, 0.2664,
0.4162

 28.9614, 0.2390,
0.4692


 130.4501, 0.2704,
0.4086


 19.0516, 0.2263,
0.4939


 163.8266, 0.2737,
0.4022

 11.7076, 0.2087,
0.5287

 202.4596, 0.2766,
0.3968

 6.5449, 0.1827,
0.5808

 246.7335, 0.2791,
0.3921

 3.1791, 0.1398,
0.6662

297.0326, 0.2812,

 1.2260, 0.0000,

0.3880

1.0000

353.7415, 0.2831,
0.3844

■ 0.0828, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0157, 0.2558,
0.4366

■ 58.0157, 0.2558,
0.4366

■ 57.6931, 0.2574,
0.4466

■ 58.6259, 0.2551,
0.4234

■ 59.5210, 0.2565,
0.4102

■ 60.7448, 0.2599,
0.3970

■ 62.3315, 0.2652,
0.3841

■ 64.3111, 0.2721,
0.3718

■ 66.7106, 0.2804,
0.3603

■ 69.5540, 0.2897,
0.3495

■ 72.8641, 0.2998,
0.3397

■ 76.6615, 0.3103,
0.3309

Harmonies

Analogous

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



58.0157, 0.3347, 0.4862



58.0157, 0.2558, 0.4366



58.0157, 0.1969, 0.3446

Triad

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



58.0157, 0.2558, 0.4366



58.0157, 0.2082, 0.2018



58.0157, 0.4802, 0.3584

Complementary

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



58.0157, 0.2558, 0.4366



17.6486, 0.5412, 0.2806

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.



58.0157, 0.4388, 0.2988



58.0157, 0.2558, 0.4366



58.0157, 0.2717, 0.2136

Square

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



58.0157, 0.2558, 0.4366



58.0157, 0.1742, 0.2165



58.0157, 0.3574, 0.2479



58.0157, 0.4672, 0.4198

Rectangle

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



58.0157, 0.2558, 0.4366



58.0157, 0.1752, 0.2870



58.0157, 0.3574, 0.2479



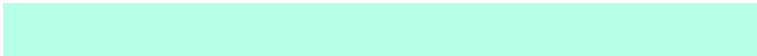
58.0157, 0.4724, 0.3380

Sweetspot

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



58.0180, 0.2558, 0.4366



87.4063, 0.2841, 0.3558



57.7720, 0.3220, 0.5778



18.3848, 0.2802, 0.3605



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.



58.0180, 0.2558, 0.4366



74.3379, 0.2576, 0.4474



45.4125, 0.2132, 0.2840



16.2482, 0.3027, 0.3372



33.3346, 0.2568, 0.4446



2.4806, 0.2516, 0.4256

Inverse Universe

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



17.6486, 0.5412, 0.2806



21.9522, 0.5657, 0.2890



18.7517, 0.6106, 0.3448



14.4490, 0.3239, 0.3210



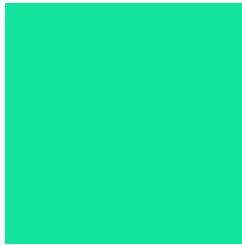
9.8619, 0.5601, 0.2859



0.7457, 0.5192, 0.2634

Previews

White Background



This preview shows how the Yxy color 58.0157, 0.2558, 0.4366 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 58.0157, 0.2558, 0.4366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

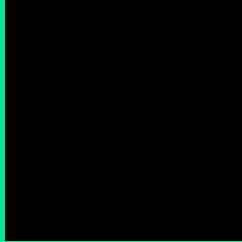
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.0157, 0.2558, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 58.0157, 0.2558, 0.4366.



This preview shows how white text looks on a background with the Yxy color 58.0157, 0.2558, 0.4366.

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

58.0157, 0.2558, 0.4366

Protanopia

56.6675, 0.3680, 0.3944

Deuteranopia

56.7649, 0.3674, 0.3598



Tritanopia

57.8612, 0.2292, 0.3053

Trichromacy



Original Color

58.0157, 0.2558, 0.4366



Protanomaly

53.5787, 0.3052, 0.4143



Deuteranomaly

52.5312, 0.3040, 0.3880



Tritanomaly

57.6174, 0.2371, 0.3497

Monochromacy



Original Color

58.0157, 0.2558, 0.4366



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

39.3655, 0.2725, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0157, 0.2558, 0.4366 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, 228, 156)` looks like.

```
.text, #text, p{  
    color:rgb(18, 228, 156)  
}
```

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, 228, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 228, 156) }
```

Border

The CSS property to change the border of an element to Yxy 58.0157, 0.2558, 0.4366 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, 228, 156) }
```

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

```
.border{ border-color:rgb(18, 228, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 228, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 228, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 228, 156);  
box-shadow:4px 4px 4px 4px rgb(18, 228,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0157, 0.2558, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 228, 156) }
```

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

```
.background{ background-color: rgb(18, 228,  
156) }
```

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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