

Converting Colors

$Y_{xy}(56.9719, 0.2360, 0.4475)$

Have a look what the booklet for
Yxy(56.9719, 0.2360, 0.4475)
contains.

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Color

Yxy(58.9602, 0.2558, 0.4408)

Conversions

Conversions Part 1

Format	Color
Hex	00E69B
RGB	0, 230, 155
RGB Percent	0%, 90%, 61%
CMY	0.9987, 0.0980, 0.3922
CMYK	1.00, 0.00, 0.33, 0.10
HSL	160°, 100%, 45%
HSV	160°, 100%, 90%
XYZ	34.2151, 58.9602, 40.5820
YIQ	152.6800, -113.0050, -72.0850

Conversions

Conversions Part 2

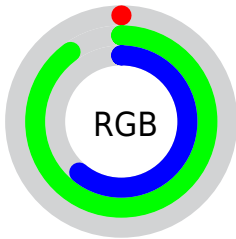
Format	Color
RYB	0, 137, 230
Decimal	59035
CIELab	81.27, -63.58, 23.78
CIELCh	81, 67.883, 159.498
Yxy	58.9602, 0.2558, 0.4408
Android (android.graphics.Color)	4278249115 (0xFF00E69B)
YUV	152.6800, 1.1438, -133.9004
Hunter-Lab	76.7855, -54.8363, 22.4145

Details

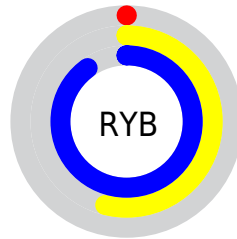
The Yxy color **58.9602, 0.2558, 0.4408** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **17.3427, 0.5697, 0.2913**, and the grayscale version is **31.7839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4244, 0.2599, 0.3844**, and **30.8664, 0.2630, 0.4667** is the 20% darker color. If you saturate the color by 10%, you get **58.9570, 0.2558, 0.4410**, and if you desaturate by 10%, it is **59.4067, 0.2540, 0.4284**.

Distribution



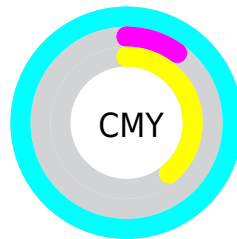
- Red (0%)
- Green (90%)
- Blue (61%)



- Red (0%)
- Yellow (54%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9602, 0.2558, 0.4408 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 58.9602, 0.2558, 0.4408 by changing the saturation by 10% instead.


 58.9602, 0.2558,
0.4408


 58.9602, 0.2558,
0.4408


420.7544, 0.2849,
0.3833


 42.5811, 0.2484,
0.4555


 103.3198, 0.2665,
0.4196


 29.5566, 0.2389,
0.4746


 132.0691, 0.2704,
0.4117


 19.5023, 0.2262,
0.5002


 165.7106, 0.2738,
0.4051

 12.0338, 0.2085,
0.5361

 204.6286, 0.2766,
0.3995

 6.7667, 0.1824,
0.5895

 249.2076, 0.2791,
0.3946

 3.3166, 0.1399,
0.6763

299.8320, 0.2813,

 1.2992, 0.0000,

0.3904

1.0000

356.8861, 0.2832,
0.3866

■ 0.1406, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9602, 0.2558,
0.4408

■ 58.9602, 0.2558,
0.4408

■ 58.9570, 0.2558,
0.4410

■ 59.4067, 0.2540,
0.4284

■ 60.0853, 0.2540,
0.4159

■ 61.0665, 0.2560,
0.4032

■ 62.3904, 0.2599,
0.3908

■ 64.0909, 0.2658,
0.3786

■ 66.1978, 0.2732,
0.3671

■ 68.7376, 0.2819,
0.3563

■ 71.7347, 0.2916,
0.3463

■ 75.2117, 0.3021,
0.3371

Harmonies

Analogous

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



58.9602, 0.3363, 0.4902



58.9602, 0.2558, 0.4408



58.9602, 0.1954, 0.3465

Triad

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



58.9602, 0.2558, 0.4408



58.9602, 0.2053, 0.1995



58.9602, 0.4834, 0.3573

Complementary

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



58.9602, 0.2558, 0.4408



17.3427, 0.5697, 0.2913

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.



58.9602, 0.4402, 0.2970



58.9602, 0.2558, 0.4408



58.9602, 0.2693, 0.2111

Square

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



58.9602, 0.2558, 0.4408



58.9602, 0.1714, 0.2149



58.9602, 0.3565, 0.2456



58.9602, 0.4708, 0.4198

Rectangle

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



58.9602, 0.2558, 0.4408



58.9602, 0.1731, 0.2873



58.9602, 0.3565, 0.2456



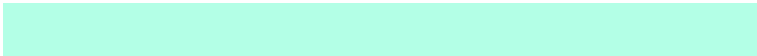
58.9602, 0.4752, 0.3366

Sweetspot

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



58.9625, 0.2558, 0.4408



86.7583, 0.2816, 0.3566



58.1678, 0.3163, 0.5869



18.2654, 0.2778, 0.3611



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.



58.9625, 0.2558, 0.4408



74.4878, 0.2560, 0.4417



43.2921, 0.2095, 0.2743



16.2521, 0.3025, 0.3368



33.4012, 0.2553, 0.4390



2.4851, 0.2503, 0.4209

Inverse Universe

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



17.3427, 0.5697, 0.2913



21.8889, 0.5715, 0.2922



18.2488, 0.6248, 0.3419



14.4452, 0.3241, 0.3213



9.8327, 0.5660, 0.2892



0.7432, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 58.9602, 0.2558, 0.4408 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 58.9602, 0.2558, 0.4408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

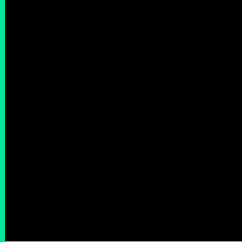
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.9602, 0.2558, 0.4408

Background



This preview shows how black text looks on a background with the Yxy color 58.9602, 0.2558, 0.4408.

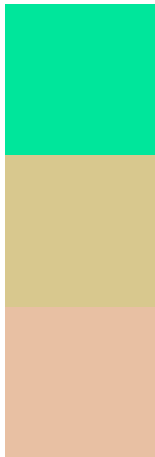


This preview shows how white text looks on a background with the Yxy color 58.9602, 0.2558, 0.4408.

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

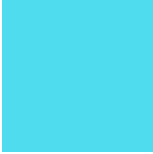
58.9602, 0.2558, 0.4408

Protanopia

57.8605, 0.3698, 0.3973

Deuteranopia

57.4994, 0.3697, 0.3619



Tritanopia

59.0217, 0.2290, 0.3055

Trichromacy



Original Color

58.9602, 0.2558, 0.4408



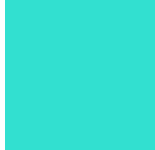
Protanomaly

54.0984, 0.3023, 0.4190



Deuteranomaly

52.9766, 0.3011, 0.3926



Tritanomaly

58.5435, 0.2359, 0.3510

Monochromacy



Original Color

58.9602, 0.2558, 0.4408



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.9222, 0.2684, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9602, 0.2558, 0.4408 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(0, 230, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 155)  
}
```

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(0, 230, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 155) }
```

Border

The CSS property to change the border of an element to Yxy 58.9602, 0.2558, 0.4408 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(0, 230, 155) }
```

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

```
.border{ border-color:rgb(0, 230, 155) }
```

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

Here you see how a box with a 4 pixel rgb(0, 230, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9602, 0.2558, 0.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 155) }
```

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

```
.background{ background-color: rgb(0, 230,  
155) }
```

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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