

Converting Colors

Yxy(54.9417, 0.2114, 0.4333)

Have a look what the booklet for
Yxy(54.9417, 0.2114, 0.4333)
contains.

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Color

Yxy(59.3468, 0.2509, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	00E6A6
RGB	0, 230, 166
RGB Percent	0%, 90%, 65%
CMY	1.0000, 0.0980, 0.3490
CMYK	1.00, 0.00, 0.28, 0.10
HSL	163°, 100%, 45%
HSV	163°, 100%, 90%
XYZ	35.1763, 59.3468, 45.6773
YIQ	153.9340, -116.5360, -68.6640

Conversions

Conversions Part 2

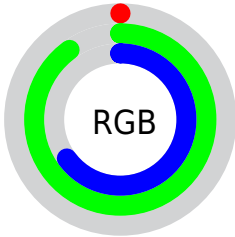
Format	Color
RYB	0, 134, 230
Decimal	59046
CIELab	81.48, -61.20, 18.35
CIELCh	81, 63.890, 163.306
Yxy	59.3468, 0.2509, 0.4233
Android (android.graphics.Color)	4278249126 (0xFF00E6A6)
YUV	153.9340, 5.9485, -135.0001
Hunter-Lab	77.0369, -53.3086, 18.7712

Details

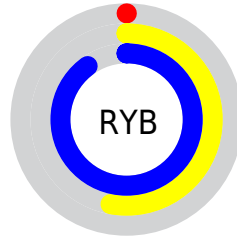
The Yxy color **59.3468, 0.2509, 0.4233** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **17.1946, 0.5872, 0.3008**, and the grayscale version is **32.2981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9917, 0.2551, 0.3702**, and **31.1020, 0.2567, 0.4439** is the 20% darker color. If you saturate the color by 10%, you get **59.3513, 0.2509, 0.4233**, and if you desaturate by 10%, it is **59.7743, 0.2496, 0.4129**.

Distribution



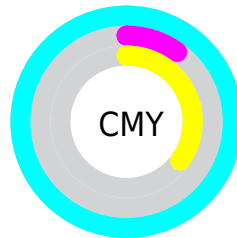
- Red (0%)
- Green (90%)
- Blue (65%)



- Red (0%)
- Yellow (53%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3468, 0.2509, 0.4233 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 59.3468, 0.2509, 0.4233 by changing the saturation by 10% instead.

 59.3468, 0.2509,
0.4233


 59.3468, 0.2509,
0.4233

422.1859, 0.2817,
0.3754

 42.8924, 0.2433,
0.4354


 103.8815, 0.2620,
0.4057

 29.8007, 0.2336,
0.4511


 132.7306, 0.2662,
0.3992


 19.6873, 0.2209,
0.4720


 166.4800, 0.2698,
0.3936

 12.1680, 0.2034,
0.5013

 205.5142, 0.2728,
0.3889

 6.8582, 0.1783,
0.5447

 250.2174, 0.2755,
0.3848

 3.3736, 0.1397,
0.6147

300.9742, 0.2778,

 1.3297, 0.0000,

0.3813

0.9295

358.1689, 0.2799,
0.3781

■ 0.1640, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3468, 0.2509,
0.4233

■ 59.3468, 0.2509,
0.4233

■ 59.3513, 0.2509,
0.4233

■ 59.7743, 0.2496,
0.4129

■ 60.4257, 0.2500,
0.4023

■ 61.3748, 0.2523,
0.3917

■ 62.6618, 0.2567,
0.3813

■ 64.3207, 0.2629,
0.3711

■ 66.3809, 0.2707,
0.3614

■ 68.8692, 0.2799,
0.3523

■ 71.8098, 0.2902,
0.3438

■ 75.2251, 0.3012,
0.3360

Harmonies

Analogous

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



59.3468, 0.3260, 0.4773



59.3468, 0.2509, 0.4233



59.3468, 0.1967, 0.3346

Triad

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



59.3468, 0.2509, 0.4233



59.3468, 0.2171, 0.2061



59.3468, 0.4749, 0.3647

Complementary

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



59.3468, 0.2509, 0.4233



17.1946, 0.5872, 0.3008

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.



59.3468, 0.4404, 0.3063



59.3468, 0.2509, 0.4233



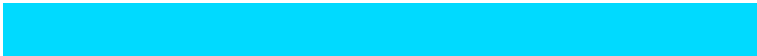
59.3468, 0.2816, 0.2200

Square

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



59.3468, 0.2509, 0.4233



59.3468, 0.1809, 0.2176



59.3468, 0.3650, 0.2554



59.3468, 0.4578, 0.4236

Rectangle

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



59.3468, 0.2509, 0.4233



59.3468, 0.1778, 0.2813



59.3468, 0.3650, 0.2554



59.3468, 0.4692, 0.3448

Sweetspot

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



59.3513, 0.2509, 0.4233



86.9682, 0.2798, 0.3524



57.7277, 0.3119, 0.5905



18.3157, 0.2757, 0.3562



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.



59.3513, 0.2509, 0.4233



74.9823, 0.2511, 0.4239



38.4260, 0.2046, 0.2566



16.2644, 0.3018, 0.3356



33.6205, 0.2505, 0.4216



2.5000, 0.2462, 0.4064

Inverse Universe

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



17.1946, 0.5872, 0.3008



21.7144, 0.5885, 0.3016



19.0915, 0.6166, 0.3486



14.4336, 0.3249, 0.3225



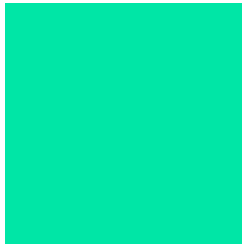
9.7517, 0.5832, 0.2986



0.7360, 0.5415, 0.2757

Previews

White Background



This preview shows how the Yxy color 59.3468, 0.2509, 0.4233 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 59.3468, 0.2509, 0.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

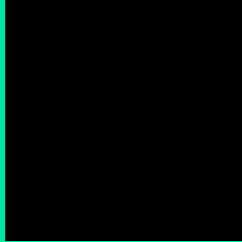
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3468, 0.2509, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 59.3468, 0.2509, 0.4233.

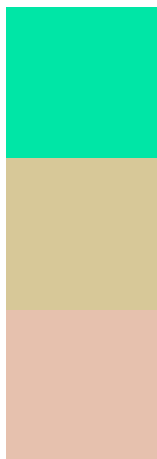


This preview shows how white text looks on a background with the Yxy color 59.3468, 0.2509, 0.4233.

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

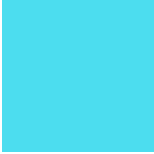
59.3468, 0.2509, 0.4233

Protanopia

58.0226, 0.3613, 0.3858

Deuteranopia

58.0189, 0.3586, 0.3506



Tritanopia

59.4814, 0.2281, 0.3055

Trichromacy



Original Color

59.3468, 0.2509, 0.4233



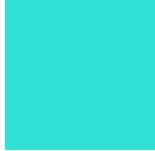
Protanomaly

54.3412, 0.2955, 0.4045



Deuteranomaly

53.1939, 0.2926, 0.3770



Tritanomaly

58.6932, 0.2339, 0.3453

Monochromacy



Original Color

59.3468, 0.2509, 0.4233



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

38.5212, 0.2667, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3468, 0.2509, 0.4233 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 166) }
```

Border

The CSS property to change the border of an element to Yxy 59.3468, 0.2509, 0.4233 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, 166) }
```

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

```
.border{ border-color:rgb(0, 230, 166) }
```

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, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3468, 0.2509, 0.4233 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, 166) }
```

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

```
.background{ background-color: rgb(0, 230,  
166) }
```

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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