

Converting Colors

$Yxy(58.5808, 0.1967, 0.4698)$

Have a look what the booklet for
Yxy(58.5808, 0.1967, 0.4698)
contains.

Yxy(65.3109, 0.2586, 0.4509)	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(65.3109, 0.2586, 0.4509)

Conversions

Conversions Part 1

Format	Color
Hex	00F19C
RGB	0, 241, 156
RGB Percent	0%, 95%, 61%
CMY	0.9990, 0.0549, 0.3883
CMYK	1.00, 0.00, 0.35, 0.05
HSL	159°, 100%, 47%
HSV	159°, 100%, 95%
XYZ	37.4571, 65.3109, 42.0777
YIQ	159.2510, -116.3510, -77.5270

Conversions

Conversions Part 2

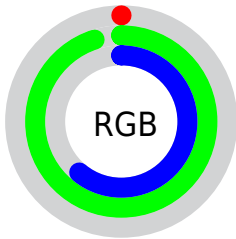
Format	Color
RYB	0, 146, 241
Decimal	61852
CIELab	84.64, -67.23, 27.85
CIElCh	85, 72.768, 157.501
Yxy	65.3109, 0.2586, 0.4509
Android (android.graphics.Color)	4278251932 (0xFF00F19C)
YUV	159.2510, -1.6027, -139.6631
Hunter-Lab	80.8152, -58.6934, 25.7004

Details

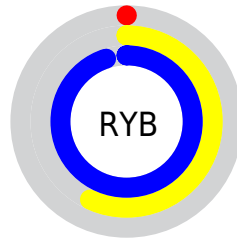
The Yxy color **65.3109, 0.2586, 0.4509** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **19.3667, 0.5604, 0.2861**, and the grayscale version is **34.8751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6679, 0.2606, 0.3830**, and **34.8664, 0.2658, 0.4770** is the 20% darker color. If you saturate the color by 10%, you get **65.3089, 0.2586, 0.4510**, and if you desaturate by 10%, it is **65.8089, 0.2565, 0.4375**.

Distribution



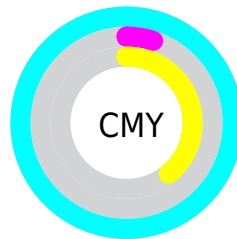
- Red (0%)
- Green (95%)
- Blue (61%)



- Red (0%)
- Yellow (57%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3109, 0.2586, 0.4509 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 65.3109, 0.2586, 0.4509 by changing the saturation by 10% instead.


 65.3109, 0.2586,
0.4509


 65.3109, 0.2586,
0.4509


443.9084, 0.2862,
0.3890

 47.7132, 0.2516,
0.4665


 112.4967, 0.2687,
0.4283


 33.5998, 0.2426,
0.4865


 142.8536, 0.2725,
0.4198


 22.5864, 0.2307,
0.5130


 178.2324, 0.2757,
0.4127

 14.2884, 0.2141,
0.5496

 219.0175, 0.2784,
0.4066

 8.3215, 0.1899,
0.6028

 265.5933, 0.2808,
0.4013

 4.3014, 0.1523,
0.6846

318.3440, 0.2828,

 1.8435, 0.0000,

0.3967

1.0000

377.6543, 0.2846,
0.3926

■ 0.5141, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3109, 0.2586,
0.4509

■ 65.3109, 0.2586,
0.4509

■ 65.3089, 0.2586,
0.4510

■ 65.8089, 0.2565,
0.4375

■ 66.5688, 0.2562,
0.4238

■ 67.6685, 0.2579,
0.4100

■ 69.1532, 0.2616,
0.3964

■ 71.0611, 0.2672,
0.3831

■ 73.4257, 0.2744,
0.3705

■ 76.2768, 0.2828,
0.3587

■ 79.6419, 0.2923,
0.3478

■ 83.5463, 0.3024,
0.3379

Harmonies

Analogous

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



65.3109, 0.3420, 0.4971



65.3109, 0.2586, 0.4509



65.3109, 0.1947, 0.3536

Triad

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



65.3109, 0.2586, 0.4509



65.3109, 0.1987, 0.1959



65.3109, 0.4882, 0.3531

Complementary

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



65.3109, 0.2586, 0.4509



19.3667, 0.5604, 0.2861

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.



65.3109, 0.4399, 0.2918



65.3109, 0.2586, 0.4509



65.3109, 0.2624, 0.2062

Square

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



65.3109, 0.2586, 0.4509



65.3109, 0.1662, 0.2134



65.3109, 0.3515, 0.2400



65.3109, 0.4781, 0.4174

Rectangle

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



65.3109, 0.2586, 0.4509



65.3109, 0.1705, 0.2909



65.3109, 0.3515, 0.2400



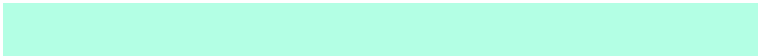
65.3109, 0.4784, 0.3320

Sweetspot

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



65.3135, 0.2586, 0.4509



86.6449, 0.2827, 0.3589



65.0130, 0.3195, 0.5845



18.2383, 0.2790, 0.3638



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.



65.3135, 0.2586, 0.4509



74.2349, 0.2587, 0.4514



51.9055, 0.2127, 0.2856



17.8287, 0.3028, 0.3375



35.4413, 0.2580, 0.4488



2.9672, 0.2531, 0.4311

Inverse Universe

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



19.3667, 0.5604, 0.2861



21.9990, 0.5614, 0.2867



19.7537, 0.6298, 0.3380



15.8510, 0.3238, 0.3207



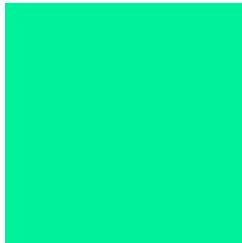
10.5207, 0.5564, 0.2839



0.8935, 0.5199, 0.2638

Previews

White Background



This preview shows how the Yxy color 65.3109, 0.2586, 0.4509 looks on a white background.

Color Contrast Check

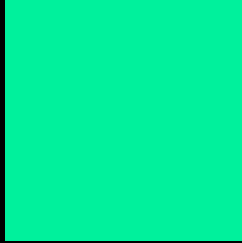
Large Text (above 18pt) WCAG AA × Fail

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 65.3109, 0.2586, 0.4509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

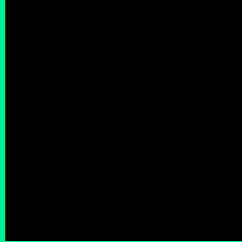
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.3109, 0.2586, 0.4509

Background



This preview shows how black text looks on a background with the Yxy color 65.3109, 0.2586, 0.4509.

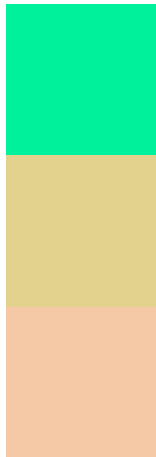


This preview shows how white text looks on a background with the Yxy color 65.3109, 0.2586, 0.4509.

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

65.3109, 0.2586, 0.4509

Protanopia

63.8848, 0.3756, 0.4042

Deuteranopia

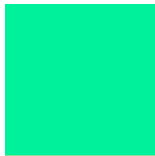
63.9024, 0.3761, 0.3678



Tritanopia

65.3022, 0.2299, 0.3064

Trichromacy



Original Color

65.3109, 0.2586, 0.4509



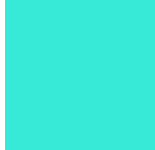
Protanomaly

59.8392, 0.3067, 0.4288



Deuteranomaly

58.7883, 0.3052, 0.4006



Tritanomaly

64.5362, 0.2371, 0.3542

Monochromacy



Original Color

65.3109, 0.2586, 0.4509



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

41.6305, 0.2699, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3109, 0.2586, 0.4509 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, 241, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 241, 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(0, 241, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 241, 156) }
```

Border

The CSS property to change the border of an element to Yxy 65.3109, 0.2586, 0.4509 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, 241, 156) }
```

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

```
.border{ border-color:rgb(0, 241, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 241, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 241, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 241, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 241,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3109, 0.2586, 0.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 241, 156) }
```

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

```
.background{ background-color: rgb(0, 241,  
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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