

Converting Colors

$Y_{xy}(54.2962, 0.1902, 0.4672)$

Have a look what the booklet for
Yxy(54.2962, 0.1902, 0.4672)
contains.

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Color

Yxy(61.1787, 0.2574, 0.4467)

Conversions

Conversions Part 1

Format	Color
Hex	00EA9A
RGB	0, 234, 154
RGB Percent	0%, 92%, 60%
CMY	1.0000, 0.0823, 0.3960
CMYK	1.00, 0.00, 0.34, 0.08
HSL	159°, 100%, 46%
HSV	159°, 100%, 92%
XYZ	35.2527, 61.1787, 40.5256
YIQ	154.9140, -113.7840, -74.4880

Conversions

Conversions Part 2

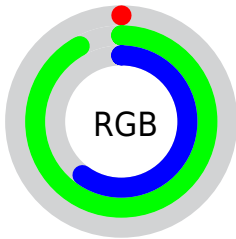
Format	Color
RYB	0, 141, 234
Decimal	60058
CIELab	82.47, -65.22, 25.92
CIELCh	82, 70.179, 158.325
Yxy	61.1787, 0.2574, 0.4467
Android (android.graphics.Color)	4278250138 (0xFF00EA9A)
YUV	154.9140, -0.4506, -135.8596
Hunter-Lab	78.2168, -56.4285, 24.0325

Details

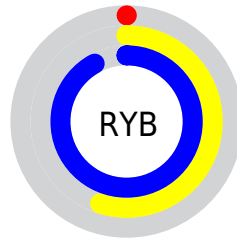
The Yxy color **61.1787, 0.2574, 0.4467** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.0728, 0.5646, 0.2884**, and the grayscale version is **32.7803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4384, 0.2607, 0.3857**, and **32.4036, 0.2649, 0.4738** is the 20% darker color. If you saturate the color by 10%, you get **61.1832, 0.2574, 0.4467**, and if you desaturate by 10%, it is **61.6457, 0.2555, 0.4337**.

Distribution



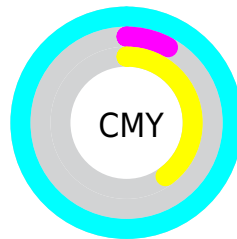
- Red (0%)
- Green (92%)
- Blue (60%)



- Red (0%)
- Yellow (55%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1787, 0.2574, 0.4467 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 61.1787, 0.2574, 0.4467 by changing the saturation by 10% instead.


 61.1787, 0.2574,
0.4467


 61.1787, 0.2574,
0.4467


428.9289, 0.2857,
0.3864


 44.3694, 0.2502,
0.4621


 106.5376, 0.2678,
0.4245


 30.9610, 0.2409,
0.4819


 135.8561, 0.2717,
0.4163


 20.5692, 0.2285,
0.5084


 170.1130, 0.2750,
0.4093

 12.8094, 0.2111,
0.5454

 209.6928, 0.2777,
0.4034

 7.2975, 0.1856,
0.5999

 254.9799, 0.2801,
0.3983

 3.6488, 0.1453,
0.6861

306.3587, 0.2822,

 1.4791, 0.0000,

0.3938

1.0000

364.2136, 0.2841,
0.3899

■ 0.2740, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.1787, 0.2574,
0.4467

■ 61.1787, 0.2574,
0.4467

■ 61.1832, 0.2574,
0.4467


■ 61.6457, 0.2555,
0.4337


■ 62.3521, 0.2552,
0.4205


■ 63.3742, 0.2570,
0.4072


■ 64.7541, 0.2609,
0.3941

 66.5274, 0.2665,
0.3813

 68.7251, 0.2738,
0.3692

 71.3752, 0.2824,
0.3578

 74.5030, 0.2919,
0.3473

 78.1321, 0.3021,
0.3377

Harmonies

Analogous

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



61.1787, 0.3396, 0.4943



61.1787, 0.2574, 0.4467



61.1787, 0.1950, 0.3506

Triad

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



61.1787, 0.2574, 0.4467



61.1787, 0.2014, 0.1974



61.1787, 0.4863, 0.3548

Complementary

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



61.1787, 0.2574, 0.4467



18.0728, 0.5646, 0.2884

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.



61.1787, 0.4401, 0.2939



61.1787, 0.2574, 0.4467



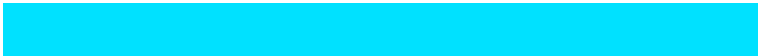
61.1787, 0.2652, 0.2082

Square

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



61.1787, 0.2574, 0.4467



61.1787, 0.1683, 0.2140



61.1787, 0.3536, 0.2423



61.1787, 0.4751, 0.4184

Rectangle

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



61.1787, 0.2574, 0.4467



61.1787, 0.1716, 0.2893



61.1787, 0.3536, 0.2423



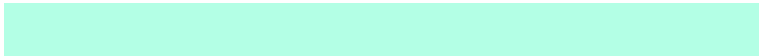
61.1787, 0.4772, 0.3340

Sweetspot

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



61.1832, 0.2574, 0.4467



86.6929, 0.2822, 0.3579



60.6393, 0.3178, 0.5859



18.2498, 0.2785, 0.3627



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.



61.1832, 0.2574, 0.4467



74.3407, 0.2576, 0.4473



46.7447, 0.2111, 0.2799



17.0293, 0.3027, 0.3372



34.4037, 0.2569, 0.4447



2.7194, 0.2518, 0.4266

Inverse Universe

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



18.0728, 0.5646, 0.2884



21.9510, 0.5658, 0.2890



18.7017, 0.6276, 0.3399



15.1390, 0.3239, 0.3210



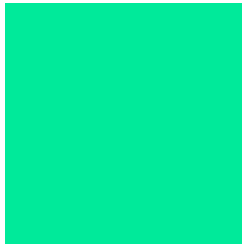
10.1764, 0.5605, 0.2861



0.8166, 0.5217, 0.2648

Previews

White Background



This preview shows how the Yxy color 61.1787, 0.2574, 0.4467 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 61.1787, 0.2574, 0.4467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

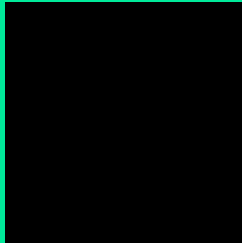
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.1787, 0.2574, 0.4467

Background



This preview shows how black text looks on a background with the Yxy color 61.1787, 0.2574, 0.4467.

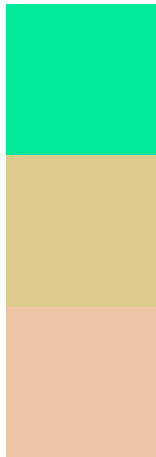


This preview shows how white text looks on a background with the Yxy color 61.1787, 0.2574, 0.4467.

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

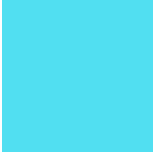
61.1787, 0.2574, 0.4467

Protanopia

59.8506, 0.3728, 0.4007

Deuteranopia

59.6791, 0.3730, 0.3646



Tritanopia

60.8756, 0.2293, 0.3058

Trichromacy



Original Color

61.1787, 0.2574, 0.4467



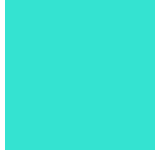
Protanomaly

55.7439, 0.3042, 0.4235



Deuteranomaly

54.7183, 0.3032, 0.3958



Tritanomaly

60.2717, 0.2369, 0.3535

Monochromacy



Original Color

61.1787, 0.2574, 0.4467



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

39.3002, 0.2696, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.1787, 0.2574, 0.4467 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, 234, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 154)  
}
```

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, 234, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 154) }
```

Border

The CSS property to change the border of an element to Yxy 61.1787, 0.2574, 0.4467 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, 234, 154) }
```

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

```
.border{ border-color:rgb(0, 234, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 61.1787, 0.2574, 0.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 154) }
```

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

```
.background{ background-color: rgb(0, 234,  
154) }
```

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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