

Converting Colors

$Y_{xy}(61.6187, 0.2594, 0.4540)$

Have a look what the booklet for
Yxy(61.6187, 0.2594, 0.4540)
contains.

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Color

Yxy(61.6187, 0.2594, 0.4540)

Conversions

Conversions Part 1

Format	Color
Hex	00EB96
RGB	0, 235, 150
RGB Percent	0%, 92%, 59%
CMY	1.0000, 0.0784, 0.4117
CMYK	1.00, 0.00, 0.36, 0.08
HSL	158°, 100%, 46%
HSV	158°, 100%, 92%
XYZ	35.2068, 61.6187, 38.8985
YIQ	155.0450, -112.7750, -76.2550

Conversions

Conversions Part 2

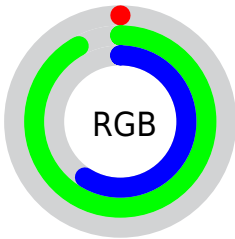
Format	Color
RYB	0, 143, 235
Decimal	60310
CIELab	82.71, -66.39, 28.28
CIELCh	83, 72.160, 156.929
Yxy	61.6187, 0.2594, 0.4540
Android (android.graphics.Color)	4278250390 (0xFF00EB96)
YUV	155.0450, -2.4872, -135.9745
Hunter-Lab	78.4976, -57.3121, 25.5679

Details

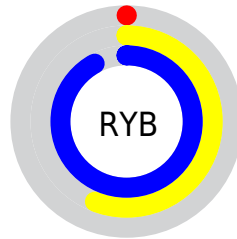
The Yxy color **61.6187, 0.2594, 0.4540** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.3200, 0.5570, 0.2842**, and the grayscale version is **32.8519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2428, 0.2625, 0.3909**, and **32.7226, 0.2675, 0.4829** is the 20% darker color. If you saturate the color by 10%, you get **61.6262, 0.2594, 0.4540**, and if you desaturate by 10%, it is **62.0983, 0.2573, 0.4403**.

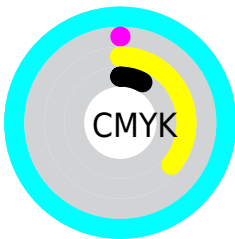
Distribution



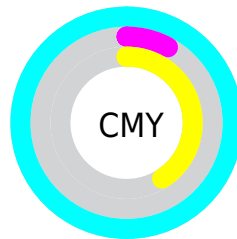
- Red (0%)
- Green (92%)
- Blue (59%)



- Red (0%)
- Yellow (56%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6187, 0.2594, 0.4540 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 61.6187, 0.2594, 0.4540 by changing the saturation by 10% instead.


 61.6187, 0.2594,
0.4540

 61.6187, 0.2594,
0.4540


430.5389, 0.2870,
0.3898

 44.7247, 0.2523,
0.4704


 107.1743, 0.2696,
0.4304

 31.2406, 0.2431,
0.4915


 136.6046, 0.2734,
0.4216


 20.7821, 0.2307,
0.5197


 170.9824, 0.2766,
0.4142

 12.9648, 0.2133,
0.5590

 210.6923, 0.2793,
0.4079

 7.4043, 0.1874,
0.6167

 256.1184, 0.2816,
0.4025

 3.7162, 0.1466,
0.7084

307.6453, 0.2837,

 1.5161, 0.0000,

0.3977

1.0000

365.6573, 0.2854,
0.3935

■ 0.3000, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.6187, 0.2594,
0.4540

■ 61.6187, 0.2594,
0.4540

■ 61.6262, 0.2594,
0.4540

■ 62.0983, 0.2573,
0.4403

■ 62.8187, 0.2569,
0.4262

■ 63.8600, 0.2585,
0.4121

■ 65.2649, 0.2622,
0.3981

■ 67.0694, 0.2677,
0.3845

■ 69.3047, 0.2748,
0.3716

■ 71.9993, 0.2831,
0.3595

■ 75.1789, 0.2924,
0.3484

■ 78.8673, 0.3024,
0.3382

Harmonies

Analogous

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



61.6187, 0.3437, 0.4992



61.6187, 0.2594, 0.4540



61.6187, 0.1945, 0.3557

Triad

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



61.6187, 0.2594, 0.4540



61.6187, 0.1967, 0.1948



61.6187, 0.4896, 0.3518

Complementary

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



61.6187, 0.2594, 0.4540



18.3200, 0.5570, 0.2842

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.



61.6187, 0.4399, 0.2902



61.6187, 0.2594, 0.4540



61.6187, 0.2603, 0.2047

Square

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



61.6187, 0.2594, 0.4540



61.6187, 0.1646, 0.2129



61.6187, 0.3500, 0.2384



61.6187, 0.4804, 0.4167

Rectangle

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



61.6187, 0.2594, 0.4540



61.6187, 0.1697, 0.2919



61.6187, 0.3500, 0.2384



61.6187, 0.4795, 0.3306

Sweetspot

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



61.6262, 0.2594, 0.4540



86.6087, 0.2830, 0.3597



61.4102, 0.3195, 0.5845



18.2297, 0.2793, 0.3647



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

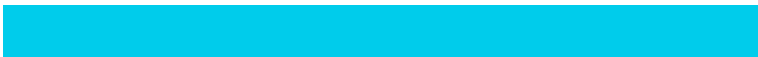
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.6262, 0.2594, 0.4540



74.1563, 0.2596, 0.4546



49.0313, 0.2127, 0.2856



17.0240, 0.3029, 0.3377



34.3191, 0.2588, 0.4518



2.7132, 0.2535, 0.4327

Inverse Universe

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



18.3200, 0.5570, 0.2842



22.0366, 0.5581, 0.2848



18.6618, 0.6298, 0.3381



15.1441, 0.3236, 0.3205



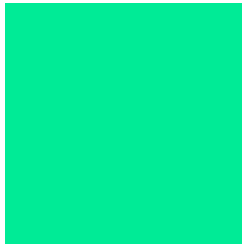
10.2170, 0.5528, 0.2819



0.8202, 0.5147, 0.2609

Previews

White Background



This preview shows how the Yxy color 61.6187, 0.2594, 0.4540 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 61.6187, 0.2594, 0.4540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

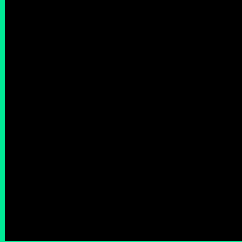
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.6187, 0.2594, 0.4540

Background



This preview shows how black text looks on a background with the Yxy color 61.6187, 0.2594, 0.4540.

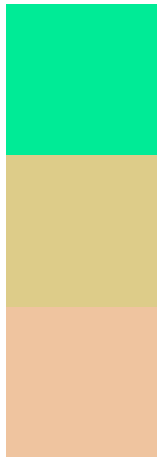


This preview shows how white text looks on a background with the Yxy color 61.6187, 0.2594, 0.4540.

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

61.6187, 0.2594, 0.4540

Protanopia

60.3640, 0.3762, 0.4060

Deuteranopia

60.3338, 0.3776, 0.3699



Tritanopia

61.5611, 0.2298, 0.3059

Trichromacy



Original Color

61.6187, 0.2594, 0.4540



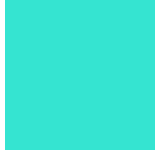
Protanomaly

56.2166, 0.3073, 0.4301



Deuteranomaly

55.1689, 0.3064, 0.4025



Tritanomaly

60.8471, 0.2375, 0.3548

Monochromacy



Original Color

61.6187, 0.2594, 0.4540



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

39.2335, 0.2709, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.6187, 0.2594, 0.4540 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, 235, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 150)  
}
```

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, 235, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 150) }
```

Border

The CSS property to change the border of an element to Yxy 61.6187, 0.2594, 0.4540 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, 235, 150) }
```

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

```
.border{ border-color:rgb(0, 235, 150) }
```

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

Here you see how a box with a 4 pixel rgb(0, 235, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 61.6187, 0.2594, 0.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 150) }
```

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

```
.background{ background-color: rgb(0, 235,  
150) }
```

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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