

Converting Colors

$Yxy(60.8406, 0.2673, 0.4821)$

Have a look what the booklet for
Yxy(60.8406, 0.2673, 0.4821)
contains.

Yxy(61.0891, 0.2672, 0.4817)	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(61.0891, 0.2672, 0.4817)

Conversions

Conversions Part 1

Format	Color
Hex	01EB84
RGB	1, 235, 132
RGB Percent	0%, 92%, 52%
CMY	0.9964, 0.0784, 0.4822
CMYK	1.00, 0.00, 0.44, 0.08
HSL	154°, 99%, 46%
HSV	154°, 100%, 92%
XYZ	33.8863, 61.0891, 31.8445
YIQ	153.2920, -106.4010, -81.6410

Conversions

Conversions Part 2

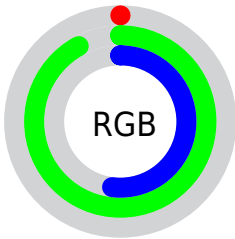
Format	Color
RYB	1, 151, 235
Decimal	125828
CIELab	82.43, -69.71, 36.94
CIELCh	82, 78.897, 152.078
Yxy	61.0891, 0.2672, 0.4817
Android (android.graphics.Color)	4278315908 (0xFF01EB84)
YUV	153.2920, -10.4970, -133.5601
Hunter-Lab	78.1595, -59.3900, 30.5552

Details

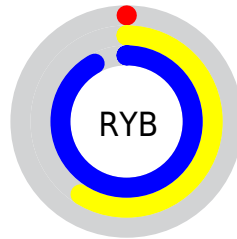
The Yxy color **61.0891, 0.2672, 0.4817** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.6802, 0.5239, 0.2662**, and the grayscale version is **32.0620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3802, 0.2711, 0.4162**, and **32.4349, 0.2764, 0.5151** is the 20% darker color. If you saturate the color by 10%, you get **61.0745, 0.2673, 0.4823**, and if you desaturate by 10%, it is **61.5823, 0.2645, 0.4652**.

Distribution



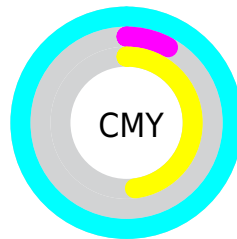
- Red (0%)
- Green (92%)
- Blue (52%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.0891, 0.2672, 0.4817 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 61.0891, 0.2672, 0.4817 by changing the saturation by 10% instead.


 61.0891, 0.2672,
0.4817

 61.0891, 0.2672,
0.4817


428.6006, 0.2923,
0.4026


 44.2971, 0.2603,
0.5020

 106.4079, 0.2768,
0.4525

 30.9041, 0.2511,
0.5282

 135.7035, 0.2803,
0.4416


 20.5259, 0.2383,
0.5630


 169.9358, 0.2832,
0.4325

 12.7779, 0.2197,
0.6113


 209.4891, 0.2856,
0.4247

 7.2758, 0.1911,
0.6805

 254.7478, 0.2876,
0.4180

 3.6352, 0.1491,
0.8236

306.0964, 0.2894,

 1.4716, 0.0000,

0.4122

1.0000

363.9192, 0.2910,
0.4071

■ 0.2686, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.0891, 0.2672,
0.4817

■ 61.0891, 0.2672,
0.4817

■ 61.0745, 0.2673,
0.4823

■ 61.5823, 0.2645,
0.4652


■ 62.3355, 0.2635,
0.4481


■ 63.4204, 0.2646,
0.4307


■ 64.8796, 0.2677,
0.4135

 66.7491, 0.2725,
0.3967

 69.0606, 0.2789,
0.3807

 71.8424, 0.2865,
0.3658

 75.1207, 0.2949,
0.3521

 78.9194, 0.3038,
0.3397

Harmonies

Analogous

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



61.0891, 0.3590, 0.5160



61.0891, 0.2672, 0.4817



61.0891, 0.1930, 0.3763

Triad

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



61.0891, 0.2672, 0.4817



61.0891, 0.1799, 0.1855



61.0891, 0.5016, 0.3402

Complementary

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



61.0891, 0.2672, 0.4817



18.6802, 0.5239, 0.2662

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.



61.0891, 0.4379, 0.2763



61.0891, 0.2672, 0.4817



61.0891, 0.2420, 0.1919

Square

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



61.0891, 0.2672, 0.4817



61.0891, 0.1513, 0.2092



61.0891, 0.3359, 0.2239



61.0891, 0.4997, 0.4092

Rectangle

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



61.0891, 0.2672, 0.4817



61.0891, 0.1631, 0.3027



61.0891, 0.3359, 0.2239



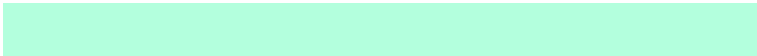
61.0891, 0.4872, 0.3181

Sweetspot

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



61.0916, 0.2672, 0.4817



86.2832, 0.2861, 0.3666



62.5009, 0.3292, 0.5766



18.1522, 0.2828, 0.3728



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

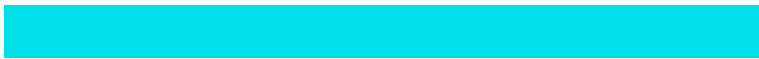
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.0916, 0.2672, 0.4817



73.4978, 0.2675, 0.4830



58.9400, 0.2204, 0.3132



17.0035, 0.3040, 0.3396



34.0156, 0.2666, 0.4797



2.6903, 0.2602, 0.4568

Inverse Universe

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



18.6802, 0.5239, 0.2662



22.4338, 0.5259, 0.2671



17.9432, 0.6368, 0.3321



15.1641, 0.3224, 0.3187



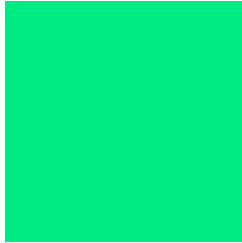
10.4038, 0.5210, 0.2644



0.8360, 0.4864, 0.2453

Previews

White Background



This preview shows how the Yxy color 61.0891, 0.2672, 0.4817 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 61.0891, 0.2672, 0.4817 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 61.0891, 0.2672, 0.4817

Background



This preview shows how black text looks on a background with the Yxy color 61.0891, 0.2672, 0.4817.



This preview shows how white text looks on a background with the Yxy color 61.0891, 0.2672, 0.4817.

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

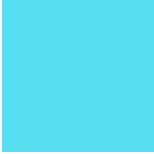
61.0891, 0.2672, 0.4817

Protanopia

59.7559, 0.3904, 0.4228

Deuteranopia

59.4138, 0.3946, 0.3857



Tritanopia

61.1525, 0.2311, 0.3059

Trichromacy



Original Color

61.0891, 0.2672, 0.4817



Protanomaly

55.8069, 0.3187, 0.4549



Deuteranomaly

54.3059, 0.3196, 0.4263



Tritanomaly

59.9960, 0.2412, 0.3650

Monochromacy



Original Color

61.0891, 0.2672, 0.4817



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

38.5080, 0.2753, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.0891, 0.2672, 0.4817 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(1, 235, 132)` looks like.

```
.text, #text, p{  
    color:rgb(1, 235, 132)  
}
```

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(1, 235, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 235, 132) }
```

Border

The CSS property to change the border of an element to Yxy 61.0891, 0.2672, 0.4817 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(1, 235, 132) }
```

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

```
.border{ border-color:rgb(1, 235, 132) }
```

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

Here you see how a box with a 4 pixel rgb(1, 235, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 235, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 235, 132);  
box-shadow:4px 4px 4px 4px rgb(1, 235,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 61.0891, 0.2672, 0.4817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 235, 132) }
```

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

```
.background{ background-color: rgb(1, 235,  
132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor