

Converting Colors

$Y_{xy}(59.3479, 0.2706, 0.4894)$

Have a look what the booklet for
Yxy(59.3479, 0.2706, 0.4894)
contains.

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Color

Yxy(59.3225, 0.2706, 0.4892)

Conversions

Conversions Part 1

Format	Color
Hex	12E87D
RGB	18, 232, 125
RGB Percent	7%, 91%, 49%
CMY	0.9278, 0.0902, 0.5097
CMYK	0.92, 0.00, 0.46, 0.09
HSL	150°, 85%, 49%
HSV	150°, 92%, 91%
XYZ	32.8141, 59.3225, 29.1277
YIQ	155.8160, -93.1970, -78.6450

Conversions

Conversions Part 2

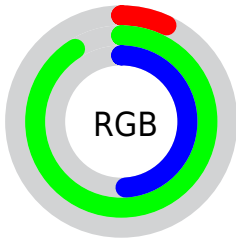
Format	Color
RYB	18, 161, 232
Decimal	1239165
CIELab	81.47, -69.36, 39.18
CIELCh	81, 79.664, 150.539
Yxy	59.3225, 0.2706, 0.4892
Android (android.graphics.Color)	4279429245 (0xFF12E87D)
YUV	155.8160, -15.1923, -120.8646
Hunter-Lab	77.0211, -58.7387, 31.4926

Details

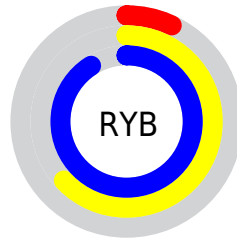
The Yxy color **59.3225, 0.2706, 0.4892** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **19.0921, 0.4799, 0.2461**, and the grayscale version is **33.3175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2194, 0.2751, 0.4254**, and **31.1544, 0.2792, 0.5250** is the 20% darker color. If you saturate the color by 10%, you get **58.9673, 0.2732, 0.5035**, and if you desaturate by 10%, it is **59.9911, 0.2687, 0.4702**.

Distribution



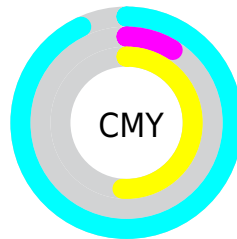
- Red (7%)
- Green (91%)
- Blue (49%)



- Red (7%)
- Yellow (63%)
- Blue (91%)



- Cyan (92%)
- Magenta (0%)
- Yellow (46%)
- Black (9%)





- Cyan (93%)
- Magenta (9%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3225, 0.2706, 0.4892 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 59.3225, 0.2706, 0.4892 by changing the saturation by 10% instead.


 59.3225, 0.2706,
0.4892


 59.3225, 0.2706,
0.4892

422.0960, 0.2946,
0.4057


 42.8728, 0.2638,
0.5107


 103.8462, 0.2800,
0.4583


 29.7853, 0.2546,
0.5385


 132.6891, 0.2833,
0.4468


 19.6757, 0.2416,
0.5756


 166.4317, 0.2860,
0.4372

 12.1595, 0.2224,
0.6268

 205.4585, 0.2883,
0.4290

 6.8524, 0.1921,
0.6999

 250.1540, 0.2902,
0.4219

 3.3700, 0.1437,
0.8563

300.9025, 0.2919,

 1.3278, 0.0000,

0.4158

1.0000

358.0883, 0.2933,
0.4104

■ 0.1626, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3225, 0.2706,
0.4892

■ 59.3225, 0.2706,
0.4892

■ 58.9673, 0.2732,
0.5035

■ 59.9911, 0.2687,
0.4702

■ 60.9749, 0.2689,
0.4505

■ 62.3203, 0.2710,
0.4307

■ 64.0638, 0.2750,
0.4112

■ 66.2373, 0.2804,
0.3926

■ 68.8693, 0.2871,
0.3752

■ 71.9859, 0.2946,
0.3591

■ 75.6110, 0.3027,
0.3446

■ 79.7671, 0.3110,
0.3315

Harmonies

Analogous

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



59.3225, 0.3640, 0.5190



59.3225, 0.2706, 0.4892



59.3225, 0.1939, 0.3832

Triad

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



59.3225, 0.2706, 0.4892



59.3225, 0.1756, 0.1837



59.3225, 0.5034, 0.3364

Complementary

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



59.3225, 0.2706, 0.4892



19.0921, 0.4799, 0.2461

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.



59.3225, 0.4355, 0.2721



59.3225, 0.2706, 0.4892



59.3225, 0.2366, 0.1889

Square

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



59.3225, 0.2706, 0.4892



59.3225, 0.1483, 0.2093



59.3225, 0.3307, 0.2200



59.3225, 0.5044, 0.4061

Rectangle

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



59.3225, 0.2706, 0.4892



59.3225, 0.1624, 0.3071



59.3225, 0.3307, 0.2200



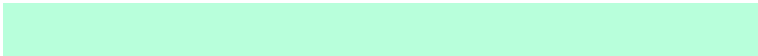
59.3225, 0.4876, 0.3142

Sweetspot

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



59.3249, 0.2706, 0.4892



86.7880, 0.2900, 0.3687



62.4049, 0.3421, 0.5621



18.2361, 0.2868, 0.3759



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.



59.3249, 0.2706, 0.4892



73.0595, 0.2734, 0.5044



63.4695, 0.2268, 0.3335



16.2086, 0.3048, 0.3410



32.7630, 0.2724, 0.5006



2.4398, 0.2650, 0.4739

Inverse Universe

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



19.0921, 0.4799, 0.2461



22.8113, 0.4997, 0.2527



17.6592, 0.6266, 0.3289



14.4878, 0.3214, 0.3173



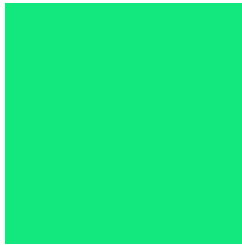
10.2524, 0.4950, 0.2501



0.7764, 0.4628, 0.2323

Previews

White Background



This preview shows how the Yxy color 59.3225, 0.2706, 0.4892 looks on a white background.

Color Contrast Check

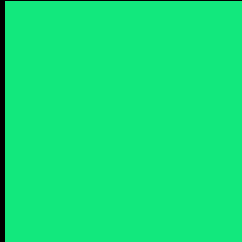
Large Text (above 18pt) WCAG AA × Fail

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 59.3225, 0.2706, 0.4892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

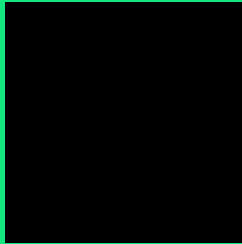
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3225, 0.2706, 0.4892

Background



This preview shows how black text looks on a background with the Yxy color 59.3225, 0.2706, 0.4892.

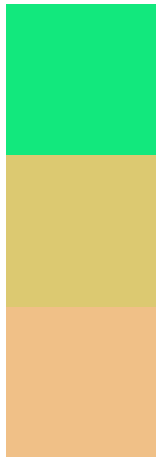


This preview shows how white text looks on a background with the Yxy color 59.3225, 0.2706, 0.4892.

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

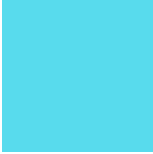
59.3225, 0.2706, 0.4892

Protanopia

58.1812, 0.3937, 0.4291

Deuteranopia

57.9738, 0.3994, 0.3914



Tritanopia

58.8522, 0.2318, 0.3055

Trichromacy



Original Color

59.3225, 0.2706, 0.4892



Protanomaly

54.5744, 0.3268, 0.4598



Deuteranomaly

53.6353, 0.3282, 0.4325



Tritanomaly

58.3536, 0.2440, 0.3682

Monochromacy



Original Color

59.3225, 0.2706, 0.4892



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

39.3895, 0.2806, 0.3920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3225, 0.2706, 0.4892 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(18, 232, 125)` looks like.

```
.text, #text, p{  
    color:rgb(18, 232, 125)  
}
```

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(18, 232, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 232, 125) }
```

Border

The CSS property to change the border of an element to Yxy 59.3225, 0.2706, 0.4892 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(18, 232, 125) }
```

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

```
.border{ border-color:rgb(18, 232, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 232, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 232, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 232, 125);  
box-shadow:4px 4px 4px 4px rgb(18, 232,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3225, 0.2706, 0.4892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 232, 125) }
```

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

```
.background{ background-color: rgb(18, 232,  
125) }
```

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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