

Converting Colors

$Y_{xy}(59.7451, 0.2642, 0.4662)$

Have a look what the booklet for
Yxy(59.7451, 0.2642, 0.4662)
contains.

Yxy(59.7451, 0.2642, 0.4662)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.7451, 0.2642, 0.4662)

Conversions

Conversions Part 1

Format	Color
Hex	13E88C
RGB	19, 232, 140
RGB Percent	7%, 91%, 55%
CMY	0.9253, 0.0902, 0.4511
CMYK	0.92, 0.00, 0.40, 0.09
HSL	154°, 85%, 49%
HSV	154°, 92%, 91%
XYZ	33.8581, 59.7451, 34.5501
YIQ	157.8250, -97.4160, -73.7680

Conversions

Conversions Part 2

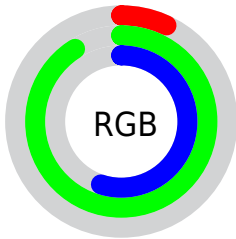
Format	Color
RYB	19, 155, 232
Decimal	1304716
CIELab	81.70, -66.68, 32.03
CIELCh	82, 73.972, 154.339
Yxy	59.7451, 0.2642, 0.4662
Android (android.graphics.Color)	4279494796 (0xFF13E88C)
YUV	157.8250, -8.7877, -121.7495
Hunter-Lab	77.2950, -57.0764, 27.6044

Details

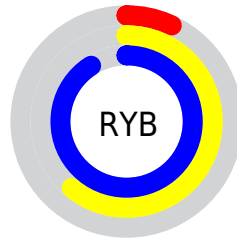
The Yxy color **59.7451, 0.2642, 0.4662** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.7735, 0.5059, 0.2610**, and the grayscale version is **34.1898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9258, 0.2686, 0.4053**, and **31.3812, 0.2714, 0.4972** is the 20% darker color. If you saturate the color by 10%, you get **59.3746, 0.2665, 0.4794**, and if you desaturate by 10%, it is **60.4155, 0.2629, 0.4495**.

Distribution



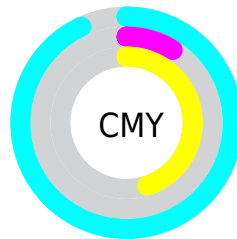
- Red (7%)
- Green (91%)
- Blue (55%)



- Red (7%)
- Yellow (61%)
- Blue (91%)



- Cyan (92%)
- Magenta (0%)
- Yellow (40%)
- Black (9%)




- Cyan (93%)
- Magenta (9%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7451, 0.2642, 0.4662 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 59.7451, 0.2642, 0.4662 by changing the saturation by 10% instead.


 59.7451, 0.2642,
0.4662


 59.7451, 0.2642,
0.4662


423.6576, 0.2902,
0.3951


 43.2132, 0.2573,
0.4845

 104.4598, 0.2740,
0.4399


 30.0524, 0.2481,
0.5081


 133.4114, 0.2776,
0.4302

 19.8784, 0.2356,
0.5398


 167.2717, 0.2805,
0.4220

 12.3067, 0.2177,
0.5841

 206.4251, 0.2831,
0.4150

 6.9529, 0.1903,
0.6489

 251.2560, 0.2852,
0.4090

 3.4327, 0.1468,
0.7689

302.1488, 0.2871,

 1.3616, 0.0000,

0.4038

1.0000

359.4879, 0.2887,
0.3992

■ 0.1881, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7451, 0.2642,
0.4662

■ 59.7451, 0.2642,
0.4662


■ 59.3746, 0.2665,
0.4794

■ 60.4155, 0.2629,
0.4495


■ 61.3942, 0.2636,
0.4325

■ 62.7269, 0.2663,
0.4155


■ 64.4496, 0.2709,
0.3989

 66.5936, 0.2770,
0.3830

 69.1872, 0.2845,
0.3682

 72.2558, 0.2928,
0.3545

 75.8232, 0.3017,
0.3421

 79.9114, 0.3110,
0.3309

Harmonies

Analogous

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



59.7451, 0.3516, 0.5058



59.7451, 0.2642, 0.4662



59.7451, 0.1951, 0.3657

Triad

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



59.7451, 0.2642, 0.4662



59.7451, 0.1892, 0.1914



59.7451, 0.4937, 0.3460

Complementary

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



59.7451, 0.2642, 0.4662



18.7735, 0.5059, 0.2610

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.



59.7451, 0.4374, 0.2836



59.7451, 0.2642, 0.4662



59.7451, 0.2516, 0.1993

Square

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



59.7451, 0.2642, 0.4662



59.7451, 0.1591, 0.2123



59.7451, 0.3425, 0.2319



59.7451, 0.4885, 0.4125

Rectangle

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



59.7451, 0.2642, 0.4662



59.7451, 0.1678, 0.2979



59.7451, 0.3425, 0.2319



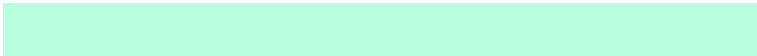
59.7451, 0.4814, 0.3245

Sweetspot

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



59.7475, 0.2642, 0.4662



87.0507, 0.2874, 0.3631



61.1639, 0.3316, 0.5701



18.2991, 0.2839, 0.3692



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.



59.7475, 0.2642, 0.4662



73.5584, 0.2667, 0.4802



56.0085, 0.2203, 0.3096



16.2256, 0.3039, 0.3393



32.9869, 0.2658, 0.4768



2.4562, 0.2592, 0.4531

Inverse Universe

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



18.7735, 0.5059, 0.2610



22.3900, 0.5292, 0.2689



18.3054, 0.6216, 0.3352



14.4709, 0.3225, 0.3189



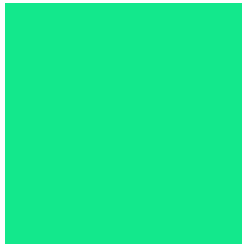
10.0620, 0.5240, 0.2660



0.7619, 0.4871, 0.2457

Previews

White Background



This preview shows how the Yxy color 59.7451, 0.2642, 0.4662 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 59.7451, 0.2642, 0.4662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

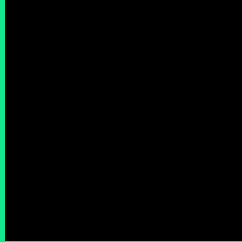
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7451, 0.2642, 0.4662

Background



This preview shows how black text looks on a background with the Yxy color 59.7451, 0.2642, 0.4662.

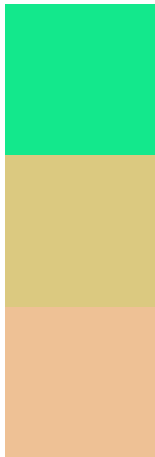


This preview shows how white text looks on a background with the Yxy color 59.7451, 0.2642, 0.4662.

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

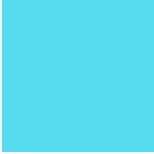
59.7451, 0.2642, 0.4662

Protanopia

58.3919, 0.3823, 0.4134

Deuteranopia

58.4870, 0.3860, 0.3778



Tritanopia

59.2907, 0.2307, 0.3056

Trichromacy



Original Color

59.7451, 0.2642, 0.4662



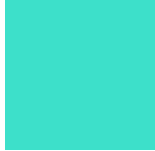
Protanomaly

54.8639, 0.3171, 0.4398



Deuteranomaly

53.9701, 0.3176, 0.4120



Tritanomaly

58.5677, 0.2409, 0.3595

Monochromacy



Original Color

59.7451, 0.2642, 0.4662



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.0581, 0.2774, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7451, 0.2642, 0.4662 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(19, 232, 140)` looks like.

```
.text, #text, p{  
    color:rgb(19, 232, 140)  
}
```

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(19, 232, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 232, 140) }
```

Border

The CSS property to change the border of an element to Yxy 59.7451, 0.2642, 0.4662 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(19, 232, 140) }
```

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

```
.border{ border-color:rgb(19, 232, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 232, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 232, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 232, 140);  
box-shadow:4px 4px 4px 4px rgb(19, 232,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7451, 0.2642, 0.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 232, 140) }
```

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

```
.background{ background-color: rgb(19, 232,  
140) }
```

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