

Converting Colors

$Y_{xy}(58.8250, 0.2747, 0.4975)$

Have a look what the booklet for
Yxy(58.8250, 0.2747, 0.4975)
contains.

| | |
|---|----|
| Yxy(58.7511, 0.2748, 0.4982) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(58.7511, 0.2748, 0.4982)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 1FE776 |
| RGB | 31, 231, 118 |
| RGB Percent | 12%, 91%, 46% |
| CMY | 0.8792, 0.0941, 0.5373 |
| CMYK | 0.87, 0.00, 0.49, 0.09 |
| HSL | 146°, 81%, 51% |
| HSV | 146°, 87%, 91% |
| XYZ | 32.4063, 58.7511, 26.7694 |
| YIQ | 158.3180, -82.9270, -77.5430 |

Conversions

Conversions Part 2

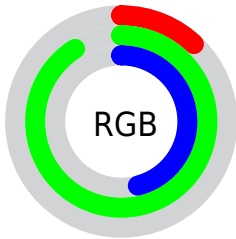
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 31, 170, 231 |
| Decimal | 2090870 |
| CIELab | 81.15, -69.47, 42.22 |
| CIELCh | 81, 81.290, 148.713 |
| Yxy | 58.7511, 0.2748, 0.4982 |
| Android (android.graphics.Color) | 4280280950 (0xFF1FE776) |
| YUV | 158.3180, -19.8768, -111.6579 |
| Hunter-Lab | 76.6493, -58.6688, 32.9478 |

Details

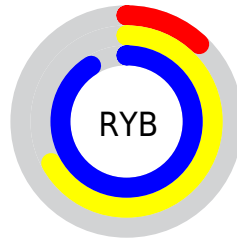
The Yxy color **58.7511, 0.2748, 0.4982** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **19.9688, 0.4443, 0.2307**, and the grayscale version is **34.4391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2116, 0.2799, 0.4343**, and **30.6774, 0.2823, 0.5363** is the 20% darker color. If you saturate the color by 10%, you get **58.2260, 0.2778, 0.5181**, and if you desaturate by 10%, it is **59.5787, 0.2737, 0.4768**.

Distribution



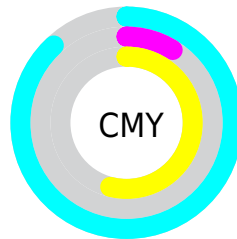
- Red (12%)
- Green (91%)
- Blue (46%)



- Red (12%)
- Yellow (67%)
- Blue (91%)



- Cyan (87%)
- Magenta (0%)
- Yellow (49%)
- Black (9%)





- Cyan (88%)
- Magenta (9%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7511, 0.2748, 0.4982 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 58.7511, 0.2748, 0.4982 by changing the saturation by 10% instead.

 58.7511, 0.2748,
0.4982


 58.7511, 0.2748,
0.4982


419.9789, 0.2973,
0.4098

 42.4128, 0.2681,
0.5210


 103.0158, 0.2838,
0.4654


 29.4247, 0.2590,
0.5504


 131.7110, 0.2869,
0.4533


 19.4023, 0.2459,
0.5894


 165.2940, 0.2894,
0.4431

 11.9613, 0.2262,
0.6430

 204.1491, 0.2916,
0.4344

 6.7173, 0.1949,
0.7191

 248.6608, 0.2933,
0.4270

 3.2860, 0.1389,
0.8611

299.2133, 0.2948,

 1.2828, 0.0000,

0.4205

1.0000

356.1913, 0.2961,
0.4148

■ 0.1278, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7511, 0.2748,
0.4982

■ 58.7511, 0.2748,
0.4982

■ 58.2260, 0.2778,
0.5181

■ 59.5787, 0.2737,
0.4768

■ 58.0890, 0.2790,
0.5243

■ 60.7515, 0.2745,
0.4546

■ 62.3113, 0.2771,
0.4323

■ 64.2922, 0.2814,
0.4107

■ 66.7243, 0.2869,
0.3902

■ 69.6347, 0.2933,
0.3713

■ 73.0486, 0.3004,
0.3540

■ 76.9891, 0.3077,
0.3384

■ 81.4780, 0.3152,
0.3246

Harmonies

Analogous

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



58.7511, 0.3700, 0.5222



58.7511, 0.2748, 0.4982



58.7511, 0.1950, 0.3920

Triad

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



58.7511, 0.2748, 0.4982



58.7511, 0.1704, 0.1817



58.7511, 0.5053, 0.3318

Complementary

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



58.7511, 0.2748, 0.4982



19.9688, 0.4443, 0.2307

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.



58.7511, 0.4323, 0.2672



58.7511, 0.2748, 0.4982



58.7511, 0.2301, 0.1853

Square

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



58.7511, 0.2748, 0.4982



58.7511, 0.1447, 0.2095



58.7511, 0.3244, 0.2154



58.7511, 0.5100, 0.4022

Rectangle

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



58.7511, 0.2748, 0.4982



58.7511, 0.1616, 0.3128



58.7511, 0.3244, 0.2154



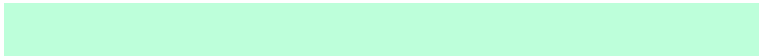
58.7511, 0.4879, 0.3094

Sweetspot

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



58.7535, 0.2748, 0.4982



87.3401, 0.2937, 0.3703



63.2075, 0.3512, 0.5500



18.4055, 0.2914, 0.3767



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.



58.7535, 0.2748, 0.4982



72.6688, 0.2792, 0.5253



62.4899, 0.2317, 0.3468



16.1929, 0.3057, 0.3426



32.5864, 0.2782, 0.5214



2.4264, 0.2702, 0.4927

Inverse Universe

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



19.9688, 0.4443, 0.2307



23.2721, 0.4723, 0.2376



18.1436, 0.6037, 0.3231



14.5036, 0.3204, 0.3158



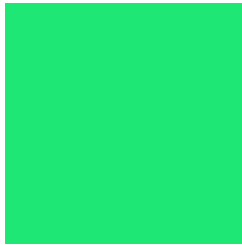
10.4592, 0.4683, 0.2353



0.7915, 0.4409, 0.2202

Previews

White Background



This preview shows how the Yxy color 58.7511, 0.2748, 0.4982 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 58.7511, 0.2748, 0.4982 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 58.7511, 0.2748, 0.4982

Background



This preview shows how black text looks on a background with the Yxy color 58.7511, 0.2748, 0.4982.

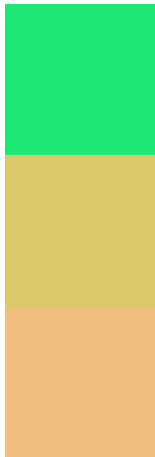


This preview shows how white text looks on a background with the Yxy color 58.7511, 0.2748, 0.4982.

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

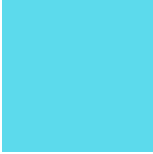
58.7511, 0.2748, 0.4982

Protanopia

57.5857, 0.3982, 0.4341

Deuteranopia

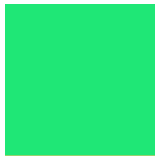
57.3454, 0.4054, 0.3976



Tritanopia

58.4742, 0.2332, 0.3055

Trichromacy



Original Color

58.7511, 0.2748, 0.4982



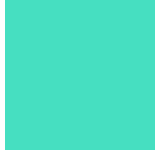
Protanomaly

54.3155, 0.3335, 0.4654



Deuteranomaly

53.4904, 0.3369, 0.4394



Tritanomaly

57.9277, 0.2469, 0.3712

Monochromacy



Original Color

58.7511, 0.2748, 0.4982



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.1258, 0.2861, 0.3960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7511, 0.2748, 0.4982 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(31, 231, 118)` looks like.

```
.text, #text, p{  
    color:rgb(31, 231, 118)  
}
```

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(31, 231, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 231, 118) }
```

Border

The CSS property to change the border of an element to Yxy 58.7511, 0.2748, 0.4982 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(31, 231, 118) }
```

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

```
.border{ border-color:rgb(31, 231, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 231, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 231, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 231, 118);  
box-shadow:4px 4px 4px 4px rgb(31, 231,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7511, 0.2748, 0.4982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 231, 118) }
```

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

```
.background{ background-color: rgb(31, 231,  
118) }
```

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