

Converting Colors

$Y_{xy}(48.0550, 0.2779, 0.5206)$

Have a look what the booklet for
Yxy(48.0550, 0.2779, 0.5206)
contains.

Yxy(47.8951, 0.2780, 0.5209)	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(47.8951, 0.2780, 0.5209)

Conversions

Conversions Part 1

Format	Color
Hex	00D45E
RGB	0, 212, 94
RGB Percent	0%, 83%, 37%
CMY	1.0000, 0.1686, 0.6313
CMYK	1.00, 0.00, 0.56, 0.17
HSL	147°, 100%, 42%
HSV	147°, 100%, 83%
XYZ	25.5612, 47.8951, 18.4905
YIQ	135.1600, -88.4740, -81.6420

Conversions

Conversions Part 2

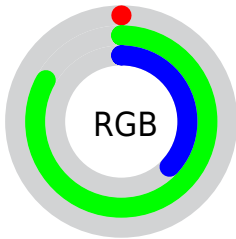
Format	Color
RYB	0, 147, 212
Decimal	54366
CIELab	74.76, -68.46, 45.73
CIELCh	75, 82.329, 146.261
Yxy	47.8951, 0.2780, 0.5209
Android (android.graphics.Color)	4278244446 (0xFF00D45E)
YUV	135.1600, -20.2919, -118.5353
Hunter-Lab	69.2063, -55.1823, 32.6033

Details

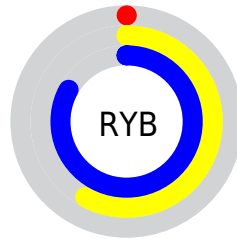
The Yxy color **47.8951, 0.2780, 0.5209** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **15.3059, 0.4738, 0.2384**, and the grayscale version is **24.3948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5696, 0.2863, 0.4691**, and **23.9441, 0.2901, 0.5645** is the 20% darker color. If you saturate the color by 10%, you get **47.8992, 0.2780, 0.5209**, and if you desaturate by 10%, it is **48.2891, 0.2748, 0.5017**.

Distribution



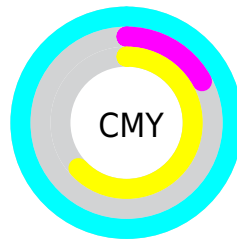
- Red (0%)
- Green (83%)
- Blue (37%)



- Red (0%)
- Yellow (58%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8951, 0.2780, 0.5209 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 47.8951, 0.2780, 0.5209 by changing the saturation by 10% instead.

 47.8951, 0.2780,
0.5209


 47.8951, 0.2780,
0.5209


378.3762, 0.3008,
0.4171


 33.7438, 0.2704,
0.5487


 87.0482, 0.2877,
0.4816

 22.6969, 0.2594,
0.5850


 112.8188, 0.2909,
0.4673


 14.3698, 0.2427,
0.6338


 143.2313, 0.2935,
0.4554

 8.3783, 0.2161,
0.7009

 178.6701, 0.2955,
0.4453

 4.3380, 0.1777,
0.8223

 219.5196, 0.2972,
0.4367

 1.8644, 0.0000,
1.0000

266.1642, 0.2986,

 0.5268, 0.0000,

0.4293

1.0000

318.9882, 0.2998,
0.4228

■ 0.0000, 0.0000,
0.0000

■ 47.8951, 0.2780,
0.5209

■ 47.8951, 0.2780,
0.5209

■ 47.8992, 0.2780,
0.5209

■ 48.2891, 0.2748,
0.5017

■ 48.8903, 0.2731,
0.4810

■ 49.7634, 0.2734,
0.4593

■ 50.9423, 0.2756,
0.4374

■ 52.4554, 0.2795,
0.4160

■ 54.3282, 0.2847,
0.3955

■ 56.5833, 0.2909,
0.3764

■ 59.2414, 0.2978,
0.3589

■ 62.3219, 0.3052,
0.3431

Harmonies

Analogous

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



47.8951, 0.3792, 0.5349



47.8951, 0.2780, 0.5209



47.8951, 0.1913, 0.4083

Triad

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



47.8951, 0.2780, 0.5209



47.8951, 0.1579, 0.1732



47.8951, 0.5170, 0.3238

Complementary

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



47.8951, 0.2780, 0.5209



15.3059, 0.4738, 0.2384

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.



47.8951, 0.4330, 0.2572



47.8951, 0.2780, 0.5209



47.8951, 0.2173, 0.1750

Square

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



47.8951, 0.2780, 0.5209



47.8951, 0.1339, 0.2045



47.8951, 0.3152, 0.2044



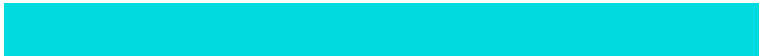
47.8951, 0.5259, 0.3971

Rectangle

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



47.8951, 0.2780, 0.5209



47.8951, 0.1544, 0.3198



47.8951, 0.3152, 0.2044



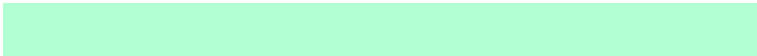
47.8951, 0.4964, 0.3007

Sweetspot

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



47.8992, 0.2780, 0.5209



85.8192, 0.2907, 0.3770



51.0936, 0.3455, 0.5638



18.0426, 0.2879, 0.3850



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

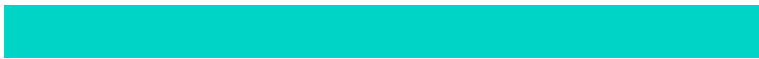
The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.8992, 0.2780, 0.5209



72.7141, 0.2785, 0.5227



51.1621, 0.2305, 0.3496



13.9866, 0.3056, 0.3423



29.5877, 0.2773, 0.5183



1.8011, 0.2679, 0.4844

Inverse Universe

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



15.3059, 0.4738, 0.2384



23.2105, 0.4757, 0.2394



14.0302, 0.6340, 0.3266



12.5354, 0.3205, 0.3161



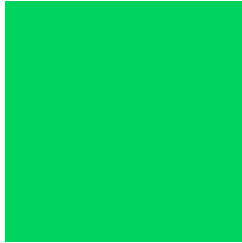
9.4688, 0.4710, 0.2368



0.5877, 0.4381, 0.2187

Previews

White Background



This preview shows how the Yxy color 47.8951, 0.2780, 0.5209 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 47.8951, 0.2780, 0.5209 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 47.8951, 0.2780, 0.5209

Background



This preview shows how black text looks on a background with the Yxy color 47.8951, 0.2780, 0.5209.



This preview shows how white text looks on a background with the Yxy color 47.8951, 0.2780, 0.5209.

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

47.8951, 0.2780, 0.5209

Protanopia

47.0794, 0.4072, 0.4466

Deuteranopia

46.8012, 0.4183, 0.4099



Tritanopia

47.5921, 0.2333, 0.3062

Trichromacy



Original Color

47.8951, 0.2780, 0.5209



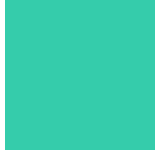
Protanomaly

43.9553, 0.3338, 0.4874



Deuteranomaly

42.5493, 0.3383, 0.4603



Tritanomaly

46.8829, 0.2467, 0.3803

Monochromacy



Original Color

47.8951, 0.2780, 0.5209



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

29.5289, 0.2813, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8951, 0.2780, 0.5209 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, 212, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 94)  
}
```

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, 212, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 94) }
```

Border

The CSS property to change the border of an element to Yxy 47.8951, 0.2780, 0.5209 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, 212, 94) }
```

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

```
.border{ border-color:rgb(0, 212, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 212, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 47.8951, 0.2780, 0.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 94) }
```

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

```
.background{ background-color: rgb(0, 212,  
94) }
```

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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