

Converting Colors

Yxy(47.5059, 0.2681, 0.4607)

Have a look what the booklet for
Yxy(47.5059, 0.2681, 0.4607)
contains.

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Color

Yxy(47.7173, 0.2680, 0.4603)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2DD180 |
| RGB | 45, 209, 128 |
| RGB Percent | 18%, 82%, 50% |
| CMY | 0.8231, 0.1804, 0.4981 |
| CMYK | 0.78, 0.00, 0.39, 0.18 |
| HSL | 150°, 64%, 50% |
| HSV | 150°, 78%, 82% |
| XYZ | 27.7824, 47.7173, 28.1660 |
| YIQ | 150.7300, -71.7430, -59.9590 |

Conversions

Conversions Part 2

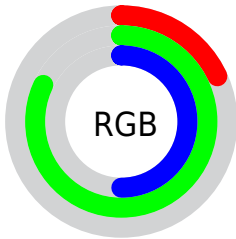
| Format | Color |
|-------------------------------------|--|
| RYB | 45, 154, 209 |
| Decimal | 3002752 |
| CIELab | 74.65, -58.89, 28.85 |
| CIELCh | 75, 65.577, 153.897 |
| Yxy | 47.7173, 0.2680, 0.4603 |
| Android (android.graphics.Color) | 4281192832 (0xFF2DD180) |
| YUV | 150.7300, -11.2059, -92.7252 |
| Hunter-Lab | 69.0777, -49.0950, 24.1793 |

Details

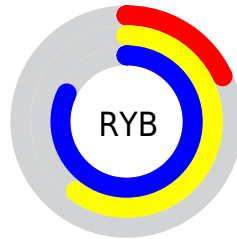
The Yxy color **47.7173, 0.2680, 0.4603** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.9507, 0.4470, 0.2443**, and the grayscale version is **30.9131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6381, 0.2762, 0.4222**, and **23.3325, 0.2708, 0.4950** is the 20% darker color. If you saturate the color by 10%, you get **47.0972, 0.2690, 0.4793**, and if you desaturate by 10%, it is **48.6036, 0.2690, 0.4408**.

Distribution



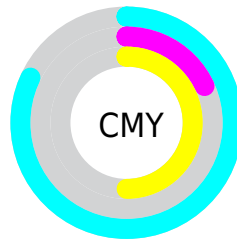
- Red (18%)
- Green (82%)
- Blue (50%)



- Red (18%)
- Yellow (60%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (39%)
- Black (18%)



- Cyan (82%)
- Magenta (18%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7173, 0.2680, 0.4603 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 47.7173, 0.2680, 0.4603 by changing the saturation by 10% instead.


 47.7173, 0.2680,
0.4603

 47.7173, 0.2680,
0.4603


377.6705, 0.2928,
0.3900

 33.6031, 0.2610,
0.4793


 86.7833, 0.2776,
0.4337

 22.5888, 0.2516,
0.5044


 112.5039, 0.2810,
0.4240


 14.2902, 0.2382,
0.5390


 142.8621, 0.2838,
0.4160

 8.3228, 0.2181,
0.5893

 178.2423, 0.2862,
0.4091

 4.3022, 0.1854,
0.6668

 219.0288, 0.2882,
0.4033

 1.8440, 0.0532,
0.9468

265.6061, 0.2900,

 0.5144, 0.0000,

0.3983

1.0000

318.3585, 0.2915,
0.3939

■ 0.0000, 0.0000,
0.0000

■ 47.7173, 0.2680,
0.4603

■ 47.7173, 0.2680,
0.4603

■ 47.0972, 0.2690,
0.4793

■ 48.6036, 0.2690,
0.4408

■ 46.6902, 0.2718,
0.4974

■ 49.7816, 0.2720,
0.4215

■ 46.6344, 0.2723,
0.5002

■ 51.2798, 0.2766,
0.4027

■ 53.1220, 0.2826,
0.3849

■ 55.3292, 0.2896,
0.3683

■ 57.9211, 0.2974,
0.3531

■ 60.9157, 0.3056,
0.3394

■ 64.3299, 0.3141,
0.3271

■ 68.1797, 0.3225,
0.3163

Harmonies

Analogous

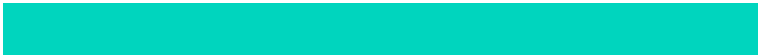
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.7173, 0.3523, 0.4977



47.7173, 0.2680, 0.4603



47.7173, 0.2007, 0.3659

Triad

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



47.7173, 0.2680, 0.4603



47.7173, 0.1931, 0.1964



47.7173, 0.4855, 0.3454

Complementary

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



47.7173, 0.2680, 0.4603



16.9507, 0.4470, 0.2443

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.



47.7173, 0.4308, 0.2848



47.7173, 0.2680, 0.4603



47.7173, 0.2531, 0.2036

Square

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



47.7173, 0.2680, 0.4603



47.7173, 0.1643, 0.2175



47.7173, 0.3401, 0.2348



47.7173, 0.4823, 0.4098

Rectangle

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



47.7173, 0.2680, 0.4603



47.7173, 0.1737, 0.3012



47.7173, 0.3401, 0.2348



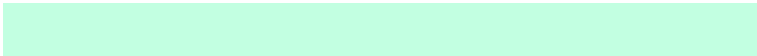
47.7173, 0.4734, 0.3245

Sweetspot

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



47.7192, 0.2680, 0.4603



88.3855, 0.2928, 0.3619



50.3072, 0.3450, 0.5417



18.6173, 0.2900, 0.3675



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.



47.7192, 0.2680, 0.4603



73.4165, 0.2707, 0.4915



50.7642, 0.2292, 0.3288



13.3046, 0.3048, 0.3407



28.7738, 0.2716, 0.4976



1.6249, 0.2623, 0.4643

Inverse Universe

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



16.9507, 0.4470, 0.2443



23.3253, 0.4883, 0.2492



15.6315, 0.5847, 0.3298



11.9043, 0.3214, 0.3176



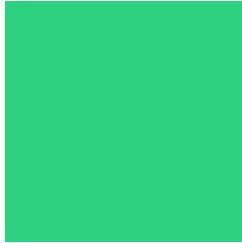
8.9852, 0.4969, 0.2511



0.5184, 0.4560, 0.2286

Previews

White Background



This preview shows how the Yxy color 47.7173, 0.2680, 0.4603 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 47.7173, 0.2680, 0.4603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

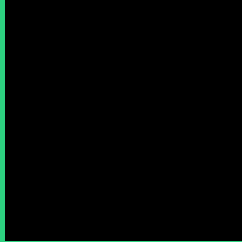
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7173, 0.2680, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 47.7173, 0.2680, 0.4603.



This preview shows how white text looks on a background with the Yxy color 47.7173, 0.2680, 0.4603.

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

47.7173, 0.2680, 0.4603

Protanopia

46.7460, 0.3807, 0.4117

Deuteranopia

46.8846, 0.3839, 0.3766



Tritanopia

47.6844, 0.2340, 0.3063

Trichromacy



Original Color

47.7173, 0.2680, 0.4603



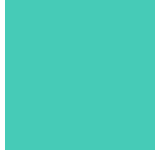
Protanomaly

44.8305, 0.3240, 0.4341



Deuteranomaly

44.0064, 0.3254, 0.4075



Tritanomaly

47.4329, 0.2455, 0.3590

Monochromacy



Original Color

47.7173, 0.2680, 0.4603



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.9330, 0.2848, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7173, 0.2680, 0.4603 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(45, 209, 128)` looks like.

```
.text, #text, p{  
    color:rgb(45, 209, 128)  
}
```

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(45, 209, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 209, 128) }
```

Border

The CSS property to change the border of an element to Yxy 47.7173, 0.2680, 0.4603 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(45, 209, 128) }
```

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

```
.border{ border-color:rgb(45, 209, 128) }
```

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

Here you see how a box with a 4 pixel rgb(45, 209, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 209, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 209, 128);  
box-shadow:4px 4px 4px 4px rgb(45, 209,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7173, 0.2680, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 209, 128) }
```

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

```
.background{ background-color: rgb(45, 209,  
128) }
```

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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