

Converting Colors

$Y_{xy}(49.7576, 0.2832, 0.5180)$

Have a look what the booklet for
Yxy(49.7576, 0.2832, 0.5180)
contains.

Yxy(49.8782, 0.2834, 0.5188)	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(49.8782, 0.2834, 0.5188)

Conversions

Conversions Part 1

Format	Color
Hex	28D75F
RGB	40, 215, 95
RGB Percent	16%, 84%, 37%
CMY	0.8424, 0.1569, 0.6275
CMYK	0.81, 0.00, 0.56, 0.16
HSL	139°, 69%, 50%
HSV	139°, 81%, 84%
XYZ	27.2465, 49.8782, 19.0168
YIQ	148.9950, -65.7800, -74.4200

Conversions

Conversions Part 2

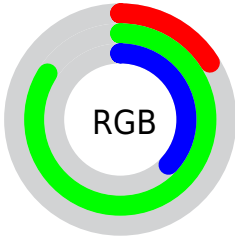
Format	Color
RYB	40, 173, 215
Decimal	2676575
CIELab	75.99, -66.85, 46.82
CIELCh	76, 81.610, 144.994
Yxy	49.8782, 0.2834, 0.5188
Android (android.graphics.Color)	4280866655 (0xFF28D75F)
YUV	148.9950, -26.6195, -95.5886
Hunter-Lab	70.6245, -54.7287, 33.4724

Details

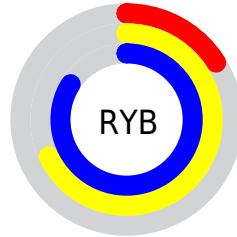
The Yxy color **49.8782, 0.2834, 0.5188** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **18.5222, 0.3961, 0.2087**, and the grayscale version is **30.2124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4400, 0.2913, 0.4657**, and **24.9707, 0.2901, 0.5645** is the 20% darker color. If you saturate the color by 10%, you get **49.3171, 0.2855, 0.5412**, and if you desaturate by 10%, it is **50.7338, 0.2829, 0.4938**.

Distribution



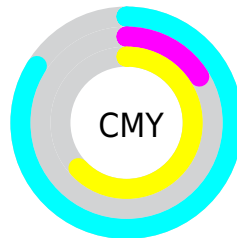
- Red (16%)
- Green (84%)
- Blue (37%)



- Red (16%)
- Yellow (68%)
- Blue (84%)



- Cyan (81%)
- Magenta (0%)
- Yellow (56%)
- Black (16%)




- Cyan (84%)
- Magenta (16%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8782, 0.2834, 0.5188 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 49.8782, 0.2834, 0.5188 by changing the saturation by 10% instead.


 49.8782, 0.2834,
0.5188


 49.8782, 0.2834,
0.5188


386.1894, 0.3034,
0.4170


 35.3166, 0.2765,
0.5457


 89.9944, 0.2920,
0.4805

 23.9069, 0.2666,
0.5807


 116.3178, 0.2949,
0.4665


 15.2646, 0.2514,
0.6274


 147.3306, 0.2971,
0.4548

 9.0053, 0.2269,
0.6910

 183.4172, 0.2989,
0.4449

 4.7446, 0.1925,
0.8075

 224.9620, 0.3003,
0.4364

 2.0982, 0.0238,
0.9762

272.3494, 0.3015,

 0.6636, 0.0000,

0.4290

1.0000

325.9637, 0.3025,
0.4226

■ 0.0000, 0.0000,
0.0000

■ 49.8782, 0.2834,
0.5188

■ 49.8782, 0.2834,
0.5188

■ 49.3171, 0.2855,
0.5412

■ 50.7338, 0.2829,
0.4938

■ 49.0091, 0.2883,
0.5580

■ 51.9152, 0.2841,
0.4674


■ 53.4560, 0.2868,
0.4409


■ 55.3837, 0.2906,
0.4152

■ 57.7233, 0.2954,
0.3911

 60.4975, 0.3007,
0.3689

 63.7274, 0.3063,
0.3489

 67.4325, 0.3120,
0.3312

 71.6316, 0.3176,
0.3155

Harmonies

Analogous

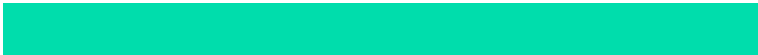
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.8782, 0.3830, 0.5294



49.8782, 0.2834, 0.5188



49.8782, 0.1968, 0.4122

Triad

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



49.8782, 0.2834, 0.5188



49.8782, 0.1588, 0.1764



49.8782, 0.5106, 0.3216

Complementary

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



49.8782, 0.2834, 0.5188



18.5222, 0.3961, 0.2087

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.



49.8782, 0.4259, 0.2561



49.8782, 0.2834, 0.5188



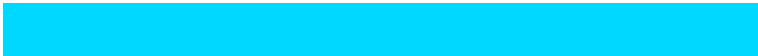
49.8782, 0.2159, 0.1769

Square

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



49.8782, 0.2834, 0.5188



49.8782, 0.1364, 0.2092



49.8782, 0.3107, 0.2048



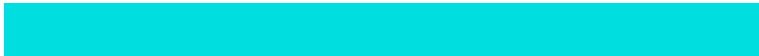
49.8782, 0.5232, 0.3938

Rectangle

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



49.8782, 0.2834, 0.5188



49.8782, 0.1591, 0.3254



49.8782, 0.3107, 0.2048



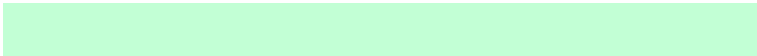
49.8782, 0.4893, 0.2988

Sweetspot

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



49.8802, 0.2834, 0.5188



87.7663, 0.2991, 0.3752



56.4933, 0.3709, 0.5278



18.4699, 0.2972, 0.3831



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.



49.8802, 0.2834, 0.5188



72.1844, 0.2881, 0.5560



52.3508, 0.2434, 0.3812



13.9595, 0.3074, 0.3454



29.3314, 0.2876, 0.5553



1.7839, 0.2777, 0.5198

Inverse Universe

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



18.5222, 0.3961, 0.2087



24.5312, 0.4195, 0.2092



16.4875, 0.5483, 0.3007



12.5633, 0.3185, 0.3131



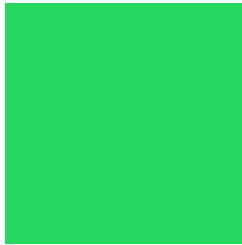
9.9322, 0.4190, 0.2082



0.6137, 0.3980, 0.1966

Previews

White Background



This preview shows how the Yxy color 49.8782, 0.2834, 0.5188 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 49.8782, 0.2834, 0.5188 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 49.8782, 0.2834, 0.5188

Background



This preview shows how black text looks on a background with the Yxy color 49.8782, 0.2834, 0.5188.



This preview shows how white text looks on a background with the Yxy color 49.8782, 0.2834, 0.5188.

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

49.8782, 0.2834, 0.5188

Protanopia

48.9115, 0.4082, 0.4467

Deuteranopia

48.6330, 0.4192, 0.4107



Tritanopia

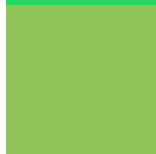
49.5272, 0.2359, 0.3067

Trichromacy



Original Color

49.8782, 0.2834, 0.5188



Protanomaly

46.7648, 0.3463, 0.4816



Deuteranomaly

45.4703, 0.3515, 0.4557



Tritanomaly

49.0592, 0.2528, 0.3805

Monochromacy



Original Color

49.8782, 0.2834, 0.5188



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.7233, 0.2929, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8782, 0.2834, 0.5188 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(40, 215, 95)` looks like.

```
.text, #text, p{  
    color:rgb(40, 215, 95)  
}
```

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(40, 215, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 215, 95) }
```

Border

The CSS property to change the border of an element to Yxy 49.8782, 0.2834, 0.5188 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(40, 215, 95) }
```

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

```
.border{ border-color:rgb(40, 215, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 215, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 215, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 215, 95);  
box-shadow:4px 4px 4px 4px rgb(40, 215,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8782, 0.2834, 0.5188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 215, 95) }
```

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

```
.background{ background-color: rgb(40, 215,  
95) }
```

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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