

Converting Colors

$Yxy(47.9529, 0.2578, 0.4108)$

Have a look what the booklet for
Yxy(47.9529, 0.2578, 0.4108)
contains.

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Color

Yxy(47.9529, 0.2578, 0.4108)

Conversions

Conversions Part 1

Format	Color
Hex	3CCF9B
RGB	60, 207, 155
RGB Percent	24%, 81%, 61%
CMY	0.7647, 0.1882, 0.3921
CMYK	0.71, 0.00, 0.25, 0.19
HSL	159°, 60%, 52%
HSV	159°, 71%, 81%
XYZ	30.0931, 47.9529, 38.6845
YIQ	157.1190, -70.9200, -47.3360

Conversions

Conversions Part 2

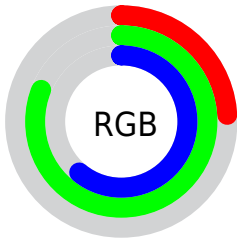
Format	Color
RYB	60, 149, 207
Decimal	3985307
CIELab	74.80, -50.57, 14.89
CIELCh	75, 52.721, 163.593
Yxy	47.9529, 0.2578, 0.4108
Android (android.graphics.Color)	4282175387 (0xFF3CCF9B)
YUV	157.1190, -1.0447, -85.1734
Hunter-Lab	69.2480, -43.6133, 15.3520

Details

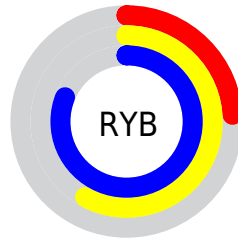
The Yxy color **47.9529, 0.2578, 0.4108** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.6671, 0.4652, 0.2715**, and the grayscale version is **33.8030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6088, 0.2664, 0.3835**, and **23.4559, 0.2538, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **47.1927, 0.2562, 0.4245**, and if you desaturate by 10%, it is **48.9838, 0.2614, 0.3972**.

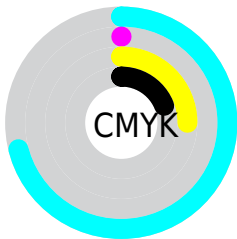
Distribution



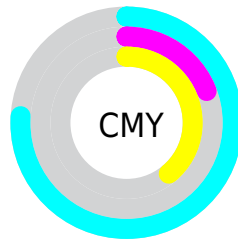
- Red (24%)
- Green (81%)
- Blue (61%)



- Red (24%)
- Yellow (58%)
- Blue (81%)



- Cyan (71%)
- Magenta (0%)
- Yellow (25%)
- Black (19%)





- Cyan (76%)
- Magenta (19%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9529, 0.2578, 0.4108 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 47.9529, 0.2578, 0.4108 by changing the saturation by 10% instead.


 47.9529, 0.2578,
0.4108


 47.9529, 0.2578,
0.4108

378.6054, 0.2860,
0.3680


 33.7896, 0.2505,
0.4221


 87.1343, 0.2682,
0.3948


 22.7320, 0.2411,
0.4369


 112.9211, 0.2721,
0.3889


 14.3957, 0.2284,
0.4572


 143.3513, 0.2753,
0.3840

 8.3964, 0.2104,
0.4867

 178.8091, 0.2781,
0.3799

 4.3496, 0.1831,
0.5328

 219.6791, 0.2805,
0.3763

 1.8710, 0.1098,
0.6374

266.3455, 0.2826,

 0.5309, 0.0000,

0.3732

1.0000

319.1928, 0.2844,
0.3704

■ 0.0000, 0.0000,
0.0000

■ 47.9529, 0.2578,
0.4108

■ 47.9529, 0.2578,
0.4108

■ 47.1927, 0.2562,
0.4245

■ 48.9838, 0.2614,
0.3972

■ 46.6660, 0.2566,
0.4381


■ 50.3063, 0.2668,
0.3841

■ 46.3426, 0.2584,
0.4501


■ 51.9454, 0.2738,
0.3715


■ 53.9222, 0.2821,
0.3597

■ 56.2556, 0.2914,
0.3488

 58.9631, 0.3013,
0.3389

 62.0612, 0.3117,
0.3299

 65.5653, 0.3222,
0.3218

 69.4900, 0.3327,
0.3147

Harmonies

Analogous

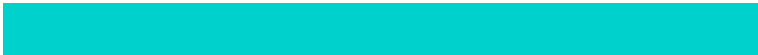
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9529, 0.3254, 0.4587



47.9529, 0.2578, 0.4108



47.9529, 0.2085, 0.3342

Triad

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



47.9529, 0.2578, 0.4108



47.9529, 0.2274, 0.2179



47.9529, 0.4571, 0.3637

Complementary

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



47.9529, 0.2578, 0.4108



17.6671, 0.4652, 0.2715

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.



47.9529, 0.4263, 0.3101



47.9529, 0.2578, 0.4108



47.9529, 0.2861, 0.2306

Square

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



47.9529, 0.2578, 0.4108



47.9529, 0.1937, 0.2289



47.9529, 0.3603, 0.2632



47.9529, 0.4428, 0.4165

Rectangle

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



47.9529, 0.2578, 0.4108



47.9529, 0.1909, 0.2871



47.9529, 0.3603, 0.2632



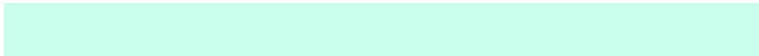
47.9529, 0.4518, 0.3455

Sweetspot

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



47.9548, 0.2578, 0.4108



90.0596, 0.2911, 0.3491



48.5242, 0.3316, 0.5354



19.0410, 0.2885, 0.3520



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.



47.9548, 0.2578, 0.4108



75.1649, 0.2562, 0.4313



41.1775, 0.2253, 0.2995



13.3331, 0.3029, 0.3374



29.2155, 0.2578, 0.4482



1.6483, 0.2510, 0.4236

Inverse Universe

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



17.6671, 0.4652, 0.2715



23.8980, 0.5155, 0.2736



19.2710, 0.5333, 0.3497



11.8763, 0.3236, 0.3208



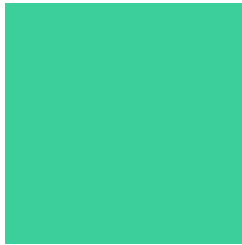
8.6790, 0.5546, 0.2829



0.5002, 0.5033, 0.2546

Previews

White Background



This preview shows how the Yxy color 47.9529, 0.2578, 0.4108 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 47.9529, 0.2578, 0.4108 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 47.9529, 0.2578, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 47.9529, 0.2578, 0.4108.

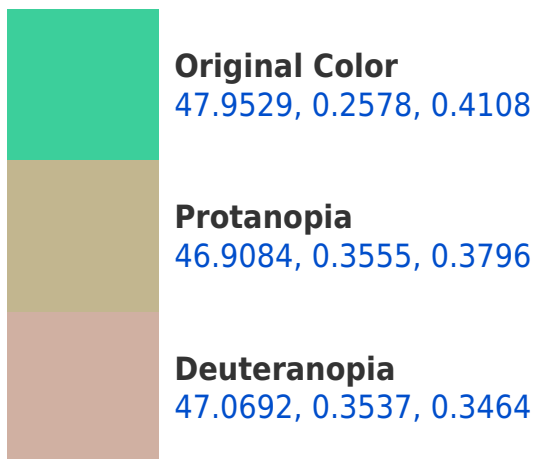


This preview shows how white text looks on a background with the Yxy color 47.9529, 0.2578, 0.4108.

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





Tritanopia

47.7794, 0.2348, 0.3063

Trichromacy



Original Color

47.9529, 0.2578, 0.4108



Protanomaly

45.3879, 0.3081, 0.3931



Deuteranomaly

44.9139, 0.3068, 0.3688



Tritanomaly

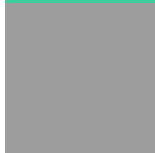
47.6691, 0.2426, 0.3421

Monochromacy



Original Color

47.9529, 0.2578, 0.4108



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.1978, 0.2833, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9529, 0.2578, 0.4108 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(60, 207, 155)` looks like.

```
.text, #text, p{  
    color:rgb(60, 207, 155)  
}
```

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(60, 207, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 207, 155) }
```

Border

The CSS property to change the border of an element to Yxy 47.9529, 0.2578, 0.4108 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(60, 207, 155) }
```

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

```
.border{ border-color:rgb(60, 207, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 207, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 207, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 207, 155);  
box-shadow:4px 4px 4px 4px rgb(60, 207,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9529, 0.2578, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 207, 155) }
```

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

```
.background{ background-color: rgb(60, 207,  
155) }
```

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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