

Converting Colors

$Yxy(46.8452, 0.2585, 0.3876)$

Have a look what the booklet for
Yxy(46.8452, 0.2585, 0.3876)
contains.

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Color

Yxy(46.6199, 0.2579, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	4FCAA5
RGB	79, 202, 165
RGB Percent	31%, 79%, 65%
CMY	0.6905, 0.2078, 0.3529
CMYK	0.61, 0.00, 0.18, 0.21
HSL	162°, 54%, 55%
HSV	162°, 61%, 79%
XYZ	31.1322, 46.6199, 42.9623
YIQ	161.0050, -61.4310, -37.5830

Conversions

Conversions Part 2

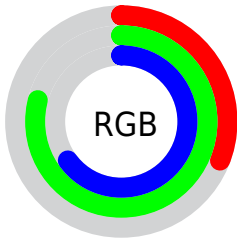
Format	Color
RYB	79, 151, 202
Decimal	5229221
CIELab	73.95, -43.04, 8.39
CIELCh	74, 43.845, 168.971
Yxy	46.6199, 0.2579, 0.3862
Android (android.graphics.Color)	4283419301 (0xFF4FCAA5)
YUV	161.0050, 1.9695, -71.9184
Hunter-Lab	68.2788, -38.0994, 10.4888

Details

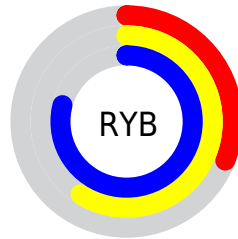
The Yxy color **46.6199, 0.2579, 0.3862** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.3969, 0.4433, 0.2838**, and the grayscale version is **35.6464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1763, 0.2673, 0.3703**, and **22.0597, 0.2455, 0.4037** is the 20% darker color. If you saturate the color by 10%, you get **45.6683, 0.2538, 0.3975**, and if you desaturate by 10%, it is **47.8487, 0.2638, 0.3752**.

Distribution



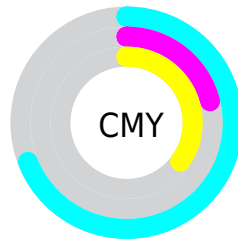
- Red (31%)
- Green (79%)
- Blue (65%)



- Red (31%)
- Yellow (59%)
- Blue (79%)



- Cyan (61%)
- Magenta (0%)
- Yellow (18%)
- Black (21%)





- Cyan (69%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6199, 0.2579, 0.3862 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 46.6199, 0.2579, 0.3862 by changing the saturation by 10% instead.


 46.6199, 0.2579,
0.3862

 46.6199, 0.2579,
0.3862

373.2953, 0.2856,
0.3567

 32.7353, 0.2509,
0.3939


 85.1460, 0.2680,
0.3752


 21.9237, 0.2418,
0.4039


 110.5562, 0.2718,
0.3712

 13.8009, 0.2298,
0.4175


 140.5771, 0.2750,
0.3678

 7.9823, 0.2128,
0.4372

 175.5931, 0.2778,
0.3649

 4.0836, 0.1875,
0.4676

215.9885, 0.2801,
0.3624

 1.7204, 0.1287,
0.5313

262.1477, 0.2822,

 0.4368, 0.0000,

0.3603

1.0000

314.4552, 0.2840,
0.3583

■ 0.0000, 0.0000,
0.0000

■ 46.6199, 0.2579,
0.3862

■ 46.6199, 0.2579,
0.3862

■ 45.6683, 0.2538,
0.3975

■ 47.8487, 0.2638,
0.3752

■ 44.9635, 0.2518,
0.4090

■ 49.3710, 0.2713,
0.3647

■ 44.4779, 0.2517,
0.4203

■ 51.2081, 0.2801,
0.3548

■ 44.1778, 0.2529,
0.4306

■ 53.3779, 0.2900,
0.3457

■ 55.8968, 0.3006,
0.3373

■ 58.7801, 0.3117,
0.3297

■ 62.0423, 0.3230,
0.3229

■ 65.6970, 0.3343,
0.3168

■ 68.6549, 0.3410,
0.3112

Harmonies

Analogous

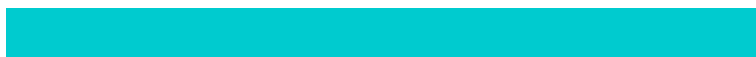
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6199, 0.3141, 0.4319



46.6199, 0.2579, 0.3862



46.6199, 0.2188, 0.3232

Triad

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



46.6199, 0.2579, 0.3862



46.6199, 0.2477, 0.2339



46.6199, 0.4350, 0.3692

Complementary

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



46.6199, 0.2579, 0.3862



19.3969, 0.4433, 0.2838

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.



46.6199, 0.4153, 0.3221



46.6199, 0.2579, 0.3862



46.6199, 0.3015, 0.2482

Square

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



46.6199, 0.2579, 0.3862



46.6199, 0.2140, 0.2404



46.6199, 0.3642, 0.2794



46.6199, 0.4181, 0.4125

Rectangle

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



46.6199, 0.2579, 0.3862



46.6199, 0.2060, 0.2857



46.6199, 0.3642, 0.2794



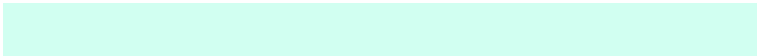
46.6199, 0.4326, 0.3535

Sweetspot

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



46.6217, 0.2579, 0.3862



91.4531, 0.2928, 0.3433



46.6534, 0.3279, 0.5102



19.3199, 0.2897, 0.3459



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.



46.6217, 0.2579, 0.3862



76.9059, 0.2530, 0.4010



38.3416, 0.2312, 0.2946



12.6674, 0.3023, 0.3361



28.4411, 0.2525, 0.4290



1.4803, 0.2464, 0.4070

Inverse Universe

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



19.3969, 0.4433, 0.2838



26.9732, 0.4897, 0.2807



22.5230, 0.4828, 0.3569



11.2682, 0.3244, 0.3221



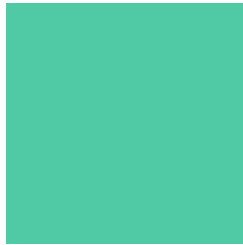
8.3087, 0.5741, 0.2936



0.4422, 0.5174, 0.2624

Previews

White Background



This preview shows how the Yxy color 46.6199, 0.2579, 0.3862 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 46.6199, 0.2579, 0.3862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

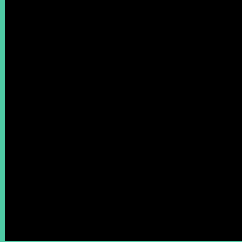
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

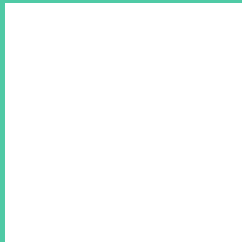
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6199, 0.2579, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 46.6199, 0.2579, 0.3862.

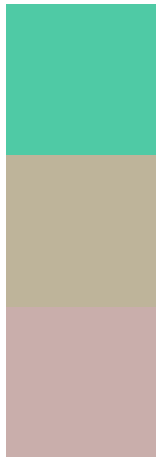


This preview shows how white text looks on a background with the Yxy color 46.6199, 0.2579, 0.3862.

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

46.6199, 0.2579, 0.3862

Protanopia

45.9228, 0.3431, 0.3631

Deuteranopia

45.6299, 0.3397, 0.3329



Tritanopia

46.6698, 0.2394, 0.3076

Trichromacy



Original Color

46.6199, 0.2579, 0.3862



Protanomaly

44.9191, 0.3042, 0.3721



Deuteranomaly

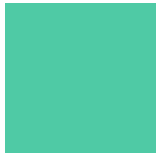
44.3137, 0.3018, 0.3500



Tritanomaly

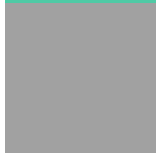
46.4569, 0.2460, 0.3347

Monochromacy



Original Color

46.6199, 0.2579, 0.3862



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.4846, 0.2859, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6199, 0.2579, 0.3862 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(79, 202, 165)` looks like.

```
.text, #text, p{  
    color:rgb(79, 202, 165)  
}
```

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(79, 202, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 202, 165) }
```

Border

The CSS property to change the border of an element to Yxy 46.6199, 0.2579, 0.3862 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(79, 202, 165) }
```

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

```
.border{ border-color:rgb(79, 202, 165) }
```

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

Here you see how a box with a 4 pixel rgb(79, 202, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 202, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 202, 165);  
box-shadow:4px 4px 4px 4px rgb(79, 202,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6199, 0.2579, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 202, 165) }
```

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

```
.background{ background-color: rgb(79, 202,  
165) }
```

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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