

Converting Colors

$Yxy(46.4790, 0.2604, 0.4036)$

Have a look what the booklet for
Yxy(46.4790, 0.2604, 0.4036)
contains.

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Color

Yxy(46.4899, 0.2603, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	48CB9C
RGB	72, 203, 156
RGB Percent	28%, 80%, 61%
CMY	0.7177, 0.2039, 0.3882
CMYK	0.65, 0.00, 0.23, 0.20
HSL	158°, 56%, 54%
HSV	158°, 65%, 80%
XYZ	30.0281, 46.4899, 38.8416
YIQ	158.4730, -62.9890, -42.3890

Conversions

Conversions Part 2

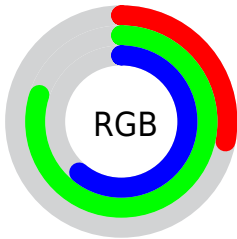
Format	Color
RYB	72, 152, 203
Decimal	4770716
CIELab	73.86, -46.80, 13.09
CIELCh	74, 48.595, 164.371
Yxy	46.4899, 0.2603, 0.4030
Android (android.graphics.Color)	4282960796 (0xFF48CB9C)
YUV	158.4730, -1.2192, -75.8368
Hunter-Lab	68.1835, -40.7095, 13.9532

Details

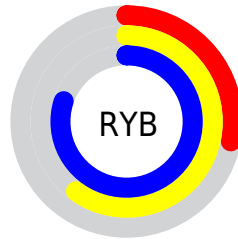
The Yxy color **46.4899, 0.2603, 0.4030** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **18.6623, 0.4427, 0.2729**, and the grayscale version is **34.4445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2915, 0.2693, 0.3818**, and **22.1997, 0.2513, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **45.5969, 0.2574, 0.4168**, and if you desaturate by 10%, it is **47.6589, 0.2651, 0.3895**.

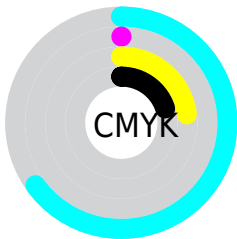
Distribution



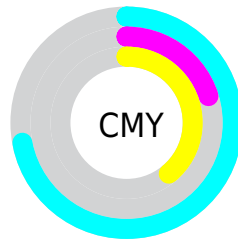
- Red (28%)
- Green (80%)
- Blue (61%)



- Red (28%)
- Yellow (60%)
- Blue (80%)



- Cyan (65%)
- Magenta (0%)
- Yellow (23%)
- Black (20%)





- Cyan (72%)
- Magenta (20%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4899, 0.2603, 0.4030 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 46.4899, 0.2603, 0.4030 by changing the saturation by 10% instead.


 46.4899, 0.2603,
0.4030


 46.4899, 0.2603,
0.4030


372.7747, 0.2872,
0.3643

 32.6326, 0.2534,
0.4132


 84.9517, 0.2703,
0.3885

 21.8451, 0.2443,
0.4267


 110.3250, 0.2739,
0.3832

 13.7431, 0.2321,
0.4452


 140.3057, 0.2770,
0.3788

 7.9422, 0.2148,
0.4721

 175.2782, 0.2797,
0.3750

 4.0580, 0.1884,
0.5145

215.6270, 0.2820,
0.3717

 1.7061, 0.1138,
0.6141

261.7364, 0.2839,

 0.4276, 0.0000,

0.3689

1.0000

313.9909, 0.2857,
0.3665

0.0000, 0.0000,
0.0000

46.4899, 0.2603,
0.4030

46.4899, 0.2603,
0.4030

45.5969, 0.2574,
0.4168

47.6589, 0.2651,
0.3895

44.9475, 0.2566,
0.4307

49.1215, 0.2715,
0.3765

44.5113, 0.2577,
0.4444

50.9001, 0.2793,
0.3642

44.3305, 0.2588,
0.4518

53.0135, 0.2882,
0.3529

55.4788, 0.2979,
0.3424

■ 58.3122, 0.3080,
0.3330

■ 61.5285, 0.3184,
0.3245

■ 65.1419, 0.3288,
0.3169

■ 69.1660, 0.3392,
0.3103

Harmonies

Analogous

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



46.4899, 0.3236, 0.4484



46.4899, 0.2603, 0.4030



46.4899, 0.2142, 0.3325

Triad

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



46.4899, 0.2603, 0.4030



46.4899, 0.2339, 0.2244



46.4899, 0.4476, 0.3639

Complementary

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



46.4899, 0.2603, 0.4030



18.6623, 0.4427, 0.2729

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.



46.4899, 0.4197, 0.3130



46.4899, 0.2603, 0.4030



46.4899, 0.2898, 0.2369

Square

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



46.4899, 0.2603, 0.4030



46.4899, 0.2012, 0.2347



46.4899, 0.3591, 0.2683



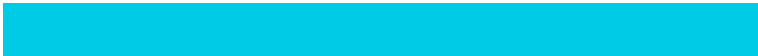
46.4899, 0.4339, 0.4132

Rectangle

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



46.4899, 0.2603, 0.4030



46.4899, 0.1979, 0.2890



46.4899, 0.3591, 0.2683



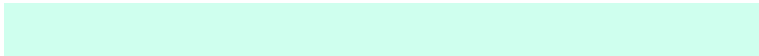
46.4899, 0.4429, 0.3467

Sweetspot

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



46.4917, 0.2603, 0.4030



90.8712, 0.2932, 0.3472



47.1770, 0.3324, 0.5179



19.1985, 0.2905, 0.3503



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.



46.4917, 0.2603, 0.4030



75.9230, 0.2569, 0.4217



40.6120, 0.2303, 0.3025



12.6561, 0.3030, 0.3374



28.2281, 0.2583, 0.4499



1.4704, 0.2509, 0.4234

Inverse Universe

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



18.6623, 0.4427, 0.2729



25.9397, 0.4868, 0.2701



20.3862, 0.5044, 0.3496



11.2791, 0.3235, 0.3207



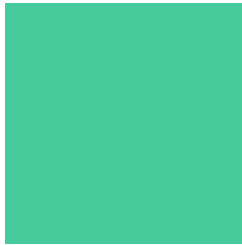
8.4007, 0.5523, 0.2816



0.4478, 0.4980, 0.2517

Previews

White Background



This preview shows how the Yxy color 46.4899, 0.2603, 0.4030 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 46.4899, 0.2603, 0.4030 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

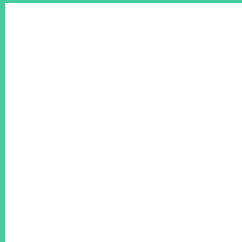
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4899, 0.2603, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 46.4899, 0.2603, 0.4030.

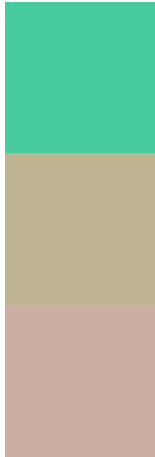


This preview shows how white text looks on a background with the Yxy color 46.4899, 0.2603, 0.4030.

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

46.4899, 0.2603, 0.4030

Protanopia

45.7632, 0.3517, 0.3750

Deuteranopia

45.7181, 0.3505, 0.3442



Tritanopia

46.5102, 0.2381, 0.3075

Trichromacy



Original Color

46.4899, 0.2603, 0.4030



Protanomaly

44.4323, 0.3092, 0.3857



Deuteranomaly

44.3039, 0.3077, 0.3645



Tritanomaly

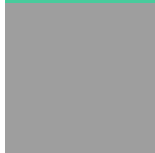
46.5397, 0.2458, 0.3407

Monochromacy



Original Color

46.4899, 0.2603, 0.4030



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.2185, 0.2863, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4899, 0.2603, 0.4030 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(72, 203, 156)` looks like.

```
.text, #text, p{  
    color:rgb(72, 203, 156)  
}
```

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(72, 203, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 203, 156) }
```

Border

The CSS property to change the border of an element to Yxy 46.4899, 0.2603, 0.4030 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(72, 203, 156) }
```

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

```
.border{ border-color:rgb(72, 203, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 203, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 203, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 203, 156);  
box-shadow:4px 4px 4px 4px rgb(72, 203,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4899, 0.2603, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 203, 156) }
```

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

```
.background{ background-color: rgb(72, 203,  
156) }
```

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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