

Converting Colors

$Yxy(48.6462, 0.2800, 0.4008)$

Have a look what the booklet for
Yxy(48.6462, 0.2800, 0.4008)
contains.

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Color

Yxy(48.4579, 0.2799, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	6FCB9B
RGB	111, 203, 155
RGB Percent	44%, 80%, 61%
CMY	0.5645, 0.2039, 0.3921
CMYK	0.45, 0.00, 0.24, 0.20
HSL	149°, 47%, 62%
HSV	149°, 45%, 80%
XYZ	33.8323, 48.4579, 38.5826
YIQ	170.0200, -39.4240, -34.4320

Conversions

Conversions Part 2

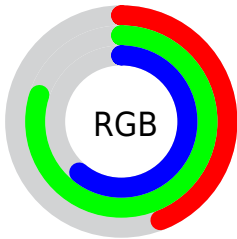
Format	Color
RYB	111, 173, 203
Decimal	7326619
CIELab	75.11, -38.38, 15.56
CIElCh	75, 41.412, 157.925
Yxy	48.4579, 0.2799, 0.4009
Android (android.graphics.Color)	4285516699 (0xFF6FCB9B)
YUV	170.0200, -7.4049, -51.7605
Hunter-Lab	69.6117, -35.0669, 15.8665

Details

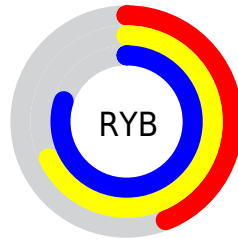
The Yxy color **48.4579, 0.2799, 0.4009** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.5796, 0.3688, 0.2680**, and the grayscale version is **40.2675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3886, 0.2857, 0.3807**, and **22.9915, 0.2695, 0.4225** is the 20% darker color. If you saturate the color by 10%, you get **46.9481, 0.2751, 0.4205**, and if you desaturate by 10%, it is **50.3021, 0.2860, 0.3824**.

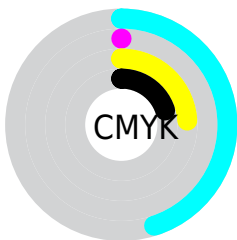
Distribution



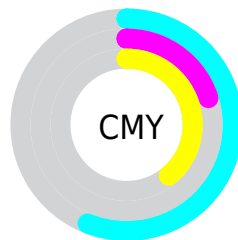
- Red (44%)
- Green (80%)
- Blue (61%)



- Red (44%)
- Yellow (68%)
- Blue (80%)



- Cyan (45%)
- Magenta (0%)
- Yellow (24%)
- Black (20%)




- Cyan (56%)
- Magenta (20%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4579, 0.2799, 0.4009 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 48.4579, 0.2799, 0.4009 by changing the saturation by 10% instead.


 48.4579, 0.2799,
0.4009

 48.4579, 0.2799,
0.4009


380.6043, 0.2970,
0.3635


 34.1896, 0.2754,
0.4107


 87.8858, 0.2863,
0.3870

 23.0393, 0.2695,
0.4236


 113.8142, 0.2886,
0.3818

 14.6226, 0.2615,
0.4412


 144.3981, 0.2906,
0.3775

 8.5549, 0.2498,
0.4666

180.0220, 0.2923,
0.3739

 4.4520, 0.2315,
0.5064

221.0701, 0.2937,
0.3707

 1.9295, 0.1970,
0.5818

267.9269, 0.2949,

 0.5660, 0.0000,

0.3680

1.0000

320.9769, 0.2960,
0.3656

0.0000, 0.0000,
0.0000

48.4579, 0.2799,
0.4009

48.4579, 0.2799,
0.4009

46.9481, 0.2751,
0.4205

50.3021, 0.2860,
0.3824

45.7455, 0.2718,
0.4408

52.4942, 0.2930,
0.3654

44.8281, 0.2703,
0.4613

55.0540, 0.3006,
0.3498


44.1682, 0.2708,
0.4814

57.9980, 0.3085,
0.3358

43.7322, 0.2733,
0.5005

61.3418, 0.3165,
0.3233

 43.5746, 0.2748,
0.5092

 65.1002, 0.3245,
0.3123

 69.2870, 0.3323,
0.3026

 70.2479, 0.3259,
0.2924

 70.8953, 0.3183,
0.2824

Harmonies

Analogous

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



48.4579, 0.3353, 0.4313



48.4579, 0.2799, 0.4009



48.4579, 0.2358, 0.3455

Triad

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



48.4579, 0.2799, 0.4009



48.4579, 0.2377, 0.2394



48.4579, 0.4240, 0.3510

Complementary

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



48.4579, 0.2799, 0.4009



26.5796, 0.3688, 0.2680

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.



48.4579, 0.3934, 0.3072



48.4579, 0.2799, 0.4009



48.4579, 0.2822, 0.2459

Square

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



48.4579, 0.2799, 0.4009



48.4579, 0.2137, 0.2538



48.4579, 0.3395, 0.2701



48.4579, 0.4208, 0.3940

Rectangle

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



48.4579, 0.2799, 0.4009



48.4579, 0.2179, 0.3074



48.4579, 0.3395, 0.2701



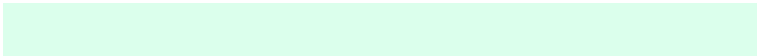
48.4579, 0.4174, 0.3361

Sweetspot

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



48.4599, 0.2799, 0.4009



92.7042, 0.3014, 0.3482



51.3418, 0.3428, 0.4543



19.6270, 0.2997, 0.3514



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.



48.4599, 0.2799, 0.4009



78.7471, 0.2753, 0.4193



50.2601, 0.2541, 0.3331



12.6248, 0.3052, 0.3414



27.7497, 0.2741, 0.5067



1.4469, 0.2638, 0.4697

Inverse Universe

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



26.5796, 0.3688, 0.2680



37.7340, 0.3864, 0.2565



25.2925, 0.4292, 0.3254



11.3098, 0.3210, 0.3170



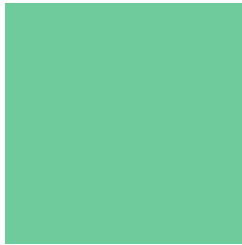
8.7601, 0.4850, 0.2446



0.4672, 0.4444, 0.2222

Previews

White Background



This preview shows how the Yxy color 48.4579, 0.2799, 0.4009 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 48.4579, 0.2799, 0.4009 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 48.4579, 0.2799, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 48.4579, 0.2799, 0.4009.

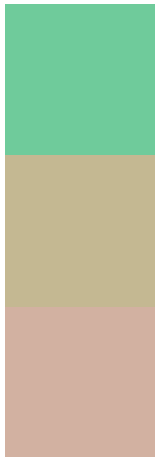


This preview shows how white text looks on a background with the Yxy color 48.4579, 0.2799, 0.4009.

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

48.4579, 0.2799, 0.4009

Protanopia

48.0921, 0.3543, 0.3778

Deuteranopia

47.7191, 0.3562, 0.3488



Tritanopia

48.5430, 0.2539, 0.3084

Trichromacy



Original Color

48.4579, 0.2799, 0.4009

Protanomaly

47.4309, 0.3230, 0.3872

Deuteranomaly

46.6197, 0.3237, 0.3656

Tritanomaly

48.6015, 0.2630, 0.3402

Monochromacy



Original Color

48.4579, 0.2799, 0.4009

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.5621, 0.2983, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4579, 0.2799, 0.4009 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(111, 203, 155)` looks like.

```
.text, #text, p{  
    color:rgb(111, 203, 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(111, 203, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 203, 155) }
```

Border

The CSS property to change the border of an element to Yxy 48.4579, 0.2799, 0.4009 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(111, 203, 155) }
```

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

```
.border{ border-color:rgb(111, 203, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 203, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 203, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 203, 155); box-shadow:4px 4px 4px 4px rgb(111, 203, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4579, 0.2799, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 203, 155) }
```

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

```
.background{ background-color: rgb(111,  
203, 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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