

Converting Colors

$Y_{xy}(47.1009, 0.2564, 0.3864)$

Have a look what the booklet for
Yxy(47.1009, 0.2564, 0.3864)
contains.

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Color

Yxy(47.0015, 0.2565, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	4CCBA6
RGB	76, 203, 166
RGB Percent	30%, 80%, 65%
CMY	0.7016, 0.2039, 0.3490
CMYK	0.63, 0.00, 0.18, 0.20
HSL	163°, 55%, 55%
HSV	163°, 63%, 80%
XYZ	31.2248, 47.0015, 43.5077
YIQ	160.8090, -63.8150, -38.4310

Conversions

Conversions Part 2

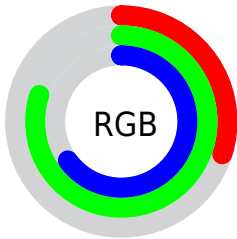
Format	Color
RYB	76, 150, 203
Decimal	5032870
CIELab	74.19, -43.75, 8.19
CIElCh	74, 44.510, 169.395
Yxy	47.0015, 0.2565, 0.3861
Android (android.graphics.Color)	4283222950 (0xFF4CCBA6)
YUV	160.8090, 2.5592, -74.3775
Hunter-Lab	68.5576, -38.6775, 10.3640

Details

The Yxy color **47.0015, 0.2565, 0.3861** 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 **19.0701, 0.4508, 0.2846**, and the grayscale version is **35.5686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0588, 0.2660, 0.3691**, and **22.3947, 0.2453, 0.4032** is the 20% darker color. If you saturate the color by 10%, you get **46.0858, 0.2527, 0.3971**, and if you desaturate by 10%, it is **48.1932, 0.2622, 0.3754**.

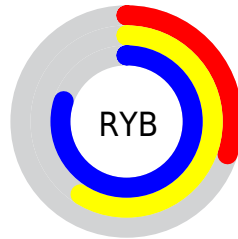
Distribution



Red (30%)

Green (80%)

Blue (65%)



Red (30%)

Yellow (59%)

Blue (80%)

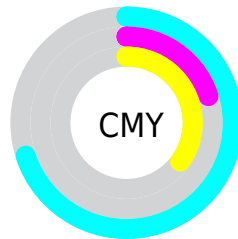


Cyan (63%)

Magenta (0%)

Yellow (18%)

Black (20%)



Cyan (70%)


Magenta (20%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0015, 0.2565, 0.3861 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 47.0015, 0.2565, 0.3861 by changing the saturation by 10% instead.


 47.0015, 0.2565,
0.3861

 47.0015, 0.2565,
0.3861


374.8205, 0.2849,
0.3567

 33.0368, 0.2494,
0.3937


 85.7159, 0.2669,
0.3752


 22.1547, 0.2401,
0.4037


 111.2344, 0.2707,
0.3712

 13.9706, 0.2279,
0.4172


 141.3729, 0.2740,
0.3678

 8.1002, 0.2107,
0.4366

 176.5159, 0.2768,
0.3649

 4.1591, 0.1852,
0.4665

217.0478, 0.2792,
0.3624

 1.7630, 0.1274,
0.5284

263.3529, 0.2814,

 0.4639, 0.0000,

0.3603

1.0000

315.8157, 0.2832,
0.3584

■ 0.0000, 0.0000,
0.0000

■ 47.0015, 0.2565,
0.3861

■ 47.0015, 0.2565,
0.3861

■ 46.0858, 0.2527,
0.3971

■ 48.1932, 0.2622,
0.3754

■ 45.4148, 0.2508,
0.4081

■ 49.6778, 0.2695,
0.3652

■ 44.9595, 0.2510,
0.4191

■ 51.4773, 0.2783,
0.3555

■ 44.7185, 0.2520,
0.4273

■ 53.6098, 0.2881,
0.3465

■ 56.0922, 0.2987,
0.3383

■ 58.9403, 0.3099,
0.3308

■ 62.1687, 0.3213,
0.3240

■ 65.7914, 0.3327,
0.3180

■ 69.0976, 0.3411,
0.3126

Harmonies

Analogous

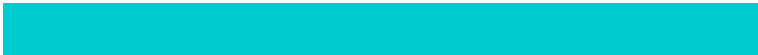
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.0015, 0.3132, 0.4329



47.0015, 0.2565, 0.3861



47.0015, 0.2173, 0.3221

Triad

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



47.0015, 0.2565, 0.3861



47.0015, 0.2476, 0.2329



47.0015, 0.4365, 0.3702

Complementary

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



47.0015, 0.2565, 0.3861



19.0701, 0.4508, 0.2846

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.



47.0015, 0.4171, 0.3226



47.0015, 0.2565, 0.3861



47.0015, 0.3022, 0.2476

Square

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



47.0015, 0.2565, 0.3861



47.0015, 0.2132, 0.2391



47.0015, 0.3657, 0.2794



47.0015, 0.4188, 0.4139

Rectangle

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



47.0015, 0.2565, 0.3861



47.0015, 0.2047, 0.2844



47.0015, 0.3657, 0.2794



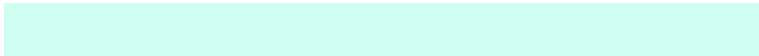
47.0015, 0.4343, 0.3543

Sweetspot

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



47.0034, 0.2565, 0.3861



91.0644, 0.2915, 0.3437



46.8208, 0.3263, 0.5158



19.2454, 0.2885, 0.3462



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.



47.0034, 0.2565, 0.3861



76.7376, 0.2518, 0.4009



37.5386, 0.2289, 0.2903



12.6691, 0.3022, 0.3358



28.4766, 0.2516, 0.4258



1.4819, 0.2457, 0.4045

Inverse Universe

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



19.0701, 0.4508, 0.2846



26.2422, 0.4997, 0.2825



22.6170, 0.4874, 0.3598



11.2666, 0.3245, 0.3223



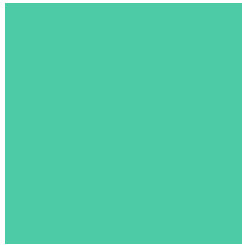
8.2959, 0.5773, 0.2954



0.4413, 0.5204, 0.2640

Previews

White Background



This preview shows how the Yxy color 47.0015, 0.2565, 0.3861 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 47.0015, 0.2565, 0.3861 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

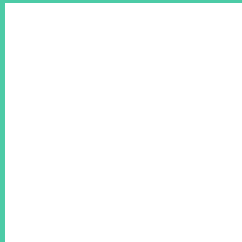
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0015, 0.2565, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 47.0015, 0.2565, 0.3861.



This preview shows how white text looks on a background with the Yxy color 47.0015, 0.2565, 0.3861.

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

47.0015, 0.2565, 0.3861

Protanopia

46.3615, 0.3420, 0.3631

Deuteranopia

46.1951, 0.3396, 0.3328



Tritanopia

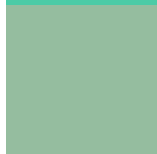
47.0657, 0.2384, 0.3077

Trichromacy



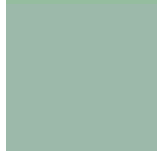
Original Color

47.0015, 0.2565, 0.3861



Protanomaly

45.2880, 0.3027, 0.3720



Deuteranomaly

44.6681, 0.3002, 0.3500



Tritanomaly

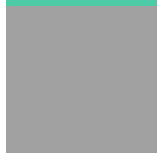
46.8132, 0.2445, 0.3347

Monochromacy



Original Color

47.0015, 0.2565, 0.3861



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.4408, 0.2844, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0015, 0.2565, 0.3861 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(76, 203, 166)` looks like.

```
.text, #text, p{  
    color:rgb(76, 203, 166)  
}
```

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(76, 203, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 203, 166) }
```

Border

The CSS property to change the border of an element to Yxy 47.0015, 0.2565, 0.3861 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(76, 203, 166) }
```

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

```
.border{ border-color:rgb(76, 203, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 203, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 203, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 203, 166);  
box-shadow:4px 4px 4px 4px rgb(76, 203,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0015, 0.2565, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 203, 166) }
```

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

```
.background{ background-color: rgb(76, 203,  
166) }
```

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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