

Converting Colors

$Y_{xy}(46.9679, 0.2510, 0.3866)$

Have a look what the booklet for
Yxy(46.9679, 0.2510, 0.3866)
contains.

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Color

Yxy(46.9679, 0.2510, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	3DCCA7
RGB	61, 204, 167
RGB Percent	24%, 80%, 65%
CMY	0.7608, 0.2000, 0.3450
CMYK	0.70, 0.00, 0.18, 0.20
HSL	164°, 58%, 52%
HSV	164°, 70%, 80%
XYZ	30.4939, 46.9679, 44.0279
YIQ	157.0250, -73.3510, -41.8230

Conversions

Conversions Part 2

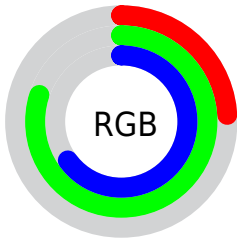
Format	Color
RYB	61, 143, 204
Decimal	4050087
CIELab	74.17, -46.37, 7.57
CIELCh	74, 46.984, 170.729
Yxy	46.9679, 0.2510, 0.3866
Android (android.graphics.Color)	4282240167 (0xFF3DCCA7)
YUV	157.0250, 4.9177, -84.2139
Hunter-Lab	68.5331, -40.5092, 9.8834

Details

The Yxy color **46.9679, 0.2510, 0.3866** 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 **17.0572, 0.4864, 0.2883**, and the grayscale version is **33.7329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2295, 0.2610, 0.3683**, and **22.7327, 0.2452, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **46.2496, 0.2484, 0.3963**, and if you desaturate by 10%, it is **47.9439, 0.2556, 0.3770**.

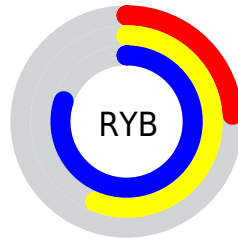
Distribution



Red (24%)

Green (80%)

Blue (65%)



Red (24%)

Yellow (56%)

Blue (80%)

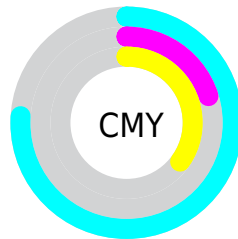


Cyan (70%)

Magenta (0%)

Yellow (18%)

Black (20%)



Cyan (76%)

Magenta (20%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9679, 0.2510, 0.3866 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 46.9679, 0.2510, 0.3866 by changing the saturation by 10% instead.


 46.9679, 0.2510,
0.3866


 46.9679, 0.2510,
0.3866


374.6864, 0.2821,
0.3570

 33.0103, 0.2432,
0.3943


 85.6657, 0.2623,
0.3756

 22.1343, 0.2332,
0.4042


 111.1747, 0.2666,
0.3716


 13.9556, 0.2199,
0.4177

 141.3029, 0.2702,
0.3682

 8.0898, 0.2014,
0.4371

 176.4347, 0.2732,
0.3653

 4.1525, 0.1741,
0.4667

 216.9546, 0.2759,
0.3628

 1.7592, 0.1083,
0.5310

263.2469, 0.2782,

 0.4616, 0.0000,

0.3606

1.0000

315.6960, 0.2803,
0.3587

■ 0.0000, 0.0000,
0.0000

■ 46.9679, 0.2510,
0.3866

■ 46.9679, 0.2510,
0.3866

■ 46.2496, 0.2484,
0.3963

■ 47.9439, 0.2556,
0.3770

■ 45.7538, 0.2478,
0.4060


■ 49.1973, 0.2619,
0.3677


■ 45.4290, 0.2487,
0.4155


■ 50.7518, 0.2700,
0.3588


■ 52.6273, 0.2793,
0.3505

■ 54.8419, 0.2897,
0.3427

 57.4122, 0.3009,
0.3355

 60.3539, 0.3126,
0.3291

 63.6816, 0.3245,
0.3232

 67.4091, 0.3365,
0.3181

Harmonies

Analogous

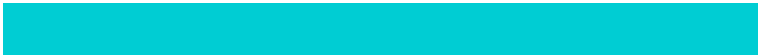
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.9679, 0.3099, 0.4379



46.9679, 0.2510, 0.3866



46.9679, 0.2112, 0.3185

Triad

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



46.9679, 0.2510, 0.3866



46.9679, 0.2463, 0.2285



46.9679, 0.4432, 0.3738

Complementary

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



46.9679, 0.2510, 0.3866



17.0572, 0.4864, 0.2883

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.



46.9679, 0.4247, 0.3240



46.9679, 0.2510, 0.3866



46.9679, 0.3044, 0.2449

Square

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



46.9679, 0.2510, 0.3866



46.9679, 0.2094, 0.2337



46.9679, 0.3714, 0.2787



46.9679, 0.4226, 0.4196

Rectangle

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



46.9679, 0.2510, 0.3866



46.9679, 0.1990, 0.2793



46.9679, 0.3714, 0.2787



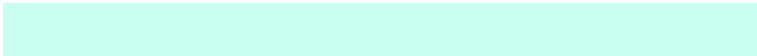
46.9679, 0.4416, 0.3572

Sweetspot

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



46.9697, 0.2510, 0.3866



90.3599, 0.2885, 0.3436



46.1840, 0.3222, 0.5392



19.1128, 0.2855, 0.3457



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.



46.9697, 0.2510, 0.3866



76.1391, 0.2479, 0.4011



34.3404, 0.2204, 0.2770



12.6756, 0.3017, 0.3351



28.6089, 0.2484, 0.4141



1.4878, 0.2432, 0.3954

Inverse Universe

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



17.0572, 0.4864, 0.2883



23.6802, 0.5438, 0.2917



21.2461, 0.5137, 0.3665



11.2605, 0.3250, 0.3230



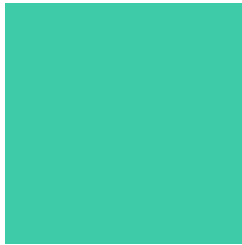
8.2534, 0.5883, 0.3015



0.4385, 0.5311, 0.2699

Previews

White Background



This preview shows how the Yxy color 46.9679, 0.2510, 0.3866 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 46.9679, 0.2510, 0.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

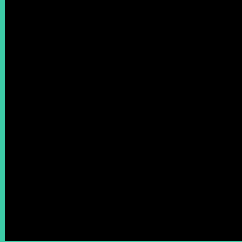
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

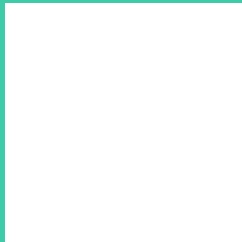
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9679, 0.2510, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 46.9679, 0.2510, 0.3866.



This preview shows how white text looks on a background with the Yxy color 46.9679, 0.2510, 0.3866.

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

46.9679, 0.2510, 0.3866

Protanopia

45.9562, 0.3423, 0.3618

Deuteranopia

46.0946, 0.3378, 0.3316



Tritanopia

47.0822, 0.2334, 0.3061

Trichromacy



Original Color

46.9679, 0.2510, 0.3866



Protanomaly

44.7380, 0.2980, 0.3726



Deuteranomaly

44.5421, 0.2948, 0.3502



Tritanomaly

46.8356, 0.2393, 0.3332

Monochromacy



Original Color

46.9679, 0.2510, 0.3866



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.9829, 0.2795, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9679, 0.2510, 0.3866 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(61, 204, 167)` looks like.

```
.text, #text, p{  
    color:rgb(61, 204, 167)  
}
```

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(61, 204, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 204, 167) }
```

Border

The CSS property to change the border of an element to Yxy 46.9679, 0.2510, 0.3866 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(61, 204, 167) }
```

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

```
.border{ border-color:rgb(61, 204, 167) }
```

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

Here you see how a box with a 4 pixel rgb(61, 204, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 204, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 204, 167);  
box-shadow:4px 4px 4px 4px rgb(61, 204,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9679, 0.2510, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 204, 167) }
```

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

```
.background{ background-color: rgb(61, 204,  
167) }
```

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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