

Converting Colors

$Yxy(47.1649, 0.2490, 0.3665)$

Have a look what the booklet for
Yxy(47.1649, 0.2490, 0.3665)
contains.

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Color

Yxy(47.3427, 0.2491, 0.3669)

Conversions

Conversions Part 1

Format	Color
Hex	49CBB2
RGB	73, 203, 178
RGB Percent	29%, 80%, 70%
CMY	0.7133, 0.2039, 0.3021
CMYK	0.64, 0.00, 0.12, 0.20
HSL	168°, 56%, 54%
HSV	168°, 64%, 80%
XYZ	32.1425, 47.3427, 49.5492
YIQ	161.2800, -69.4550, -35.3350

Conversions

Conversions Part 2

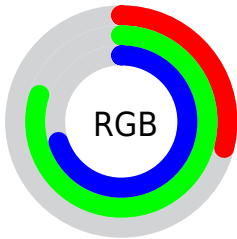
Format	Color
RYB	73, 145, 203
Decimal	4836274
CIELab	74.41, -41.34, 2.04
CIElCh	74, 41.391, 177.173
Yxy	47.3427, 0.2491, 0.3669
Android (android.graphics.Color)	4283026354 (0xFF49CBB2)
YUV	161.2800, 8.2430, -77.4216
Hunter-Lab	68.8060, -37.0250, 5.4678

Details

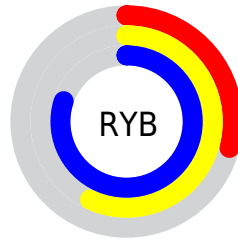
The Yxy color **47.3427, 0.2491, 0.3669** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **18.3582, 0.4778, 0.3001**, and the grayscale version is **35.7746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6114, 0.2592, 0.3533**, and **22.6605, 0.2383, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **46.5208, 0.2448, 0.3739**, and if you desaturate by 10%, it is **48.4315, 0.2553, 0.3601**.

Distribution



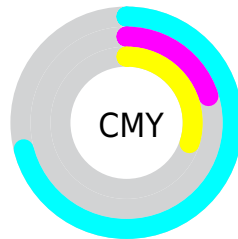
- Red (29%)
- Green (80%)
- Blue (70%)



- Red (29%)
- Yellow (57%)
- Blue (80%)



- Cyan (64%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)



- Cyan (71%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3427, 0.2491, 0.3669 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 47.3427, 0.2491, 0.3669 by changing the saturation by 10% instead.


 47.3427, 0.2491,
0.3669


 47.3427, 0.2491,
0.3669


376.1808, 0.2807,
0.3479


 33.3067, 0.2413,
0.3716


 86.2249, 0.2605,
0.3600

 22.3615, 0.2314,
0.3777


 111.8399, 0.2648,
0.3574

 14.1227, 0.2183,
0.3858


 142.0833, 0.2685,
0.3552

 8.2061, 0.2004,
0.3971


 177.3396, 0.2716,
0.3533

 4.2271, 0.1744,
0.4137

217.9931, 0.2743,
0.3517

 1.8014, 0.1252,
0.4449

264.4282, 0.2767,

 0.4880, 0.0000,

0.3503

0.5567

317.0293, 0.2788,
0.3490

0.0000, 0.0000,
0.0000

47.3427, 0.2491,
0.3669

47.3427, 0.2491,
0.3669

46.5208, 0.2448,
0.3739

48.4315, 0.2553,
0.3601

45.9342, 0.2424,
0.3809

49.8045, 0.2633,
0.3535

45.5527, 0.2419,
0.3878

51.4838, 0.2728,
0.3472

45.3874, 0.2422,
0.3920

53.4879, 0.2835,
0.3413

55.8336, 0.2952,
0.3358

■ 58.5368, 0.3076,
0.3309

■ 61.6122, 0.3205,
0.3263

■ 65.0738, 0.3334,
0.3223

■ 68.7836, 0.3458,
0.3187

Harmonies

Analogous

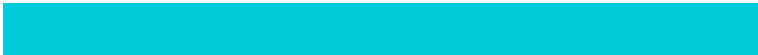
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.3427, 0.2990, 0.4165



47.3427, 0.2491, 0.3669



47.3427, 0.2178, 0.3086

Triad

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



47.3427, 0.2491, 0.3669



47.3427, 0.2638, 0.2408



47.3427, 0.4267, 0.3795

Complementary

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



47.3427, 0.2491, 0.3669



18.3582, 0.4778, 0.3001

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.



47.3427, 0.4175, 0.3350



47.3427, 0.2491, 0.3669



47.3427, 0.3184, 0.2592

Square

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



47.3427, 0.2491, 0.3669



47.3427, 0.2259, 0.2415



47.3427, 0.3763, 0.2925



47.3427, 0.4027, 0.4171

Rectangle

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



47.3427, 0.2491, 0.3669



47.3427, 0.2099, 0.2765



47.3427, 0.3763, 0.2925



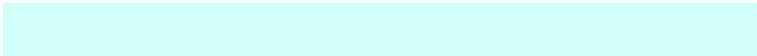
47.3427, 0.4276, 0.3649

Sweetspot

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



47.3445, 0.2491, 0.3669



91.3540, 0.2890, 0.3387



45.8503, 0.3176, 0.5254



19.3161, 0.2856, 0.3403



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.



47.3445, 0.2491, 0.3669



77.4581, 0.2436, 0.3767



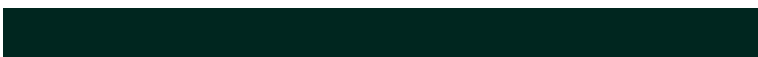
32.2928, 0.2227, 0.2682



12.6885, 0.3009, 0.3335



28.8979, 0.2420, 0.3910



1.5006, 0.2382, 0.3775

Inverse Universe

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



18.3582, 0.4778, 0.3001



25.2054, 0.5360, 0.3008



24.7818, 0.4804, 0.3763



11.2484, 0.3260, 0.3246



8.1839, 0.6077, 0.3121



0.4330, 0.5540, 0.2826

Previews

White Background



This preview shows how the Yxy color 47.3427, 0.2491, 0.3669 looks on a white background.

Color Contrast Check

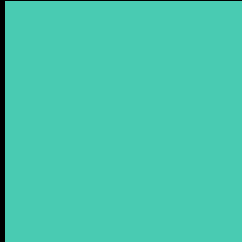
Large Text (above 18pt) WCAG AA × Fail

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 47.3427, 0.2491, 0.3669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

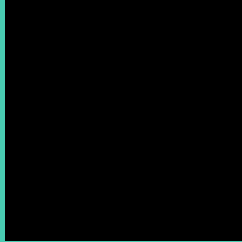
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

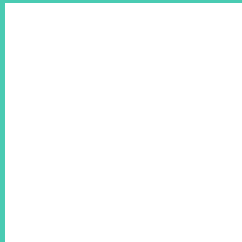
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.3427, 0.2491, 0.3669

Background



This preview shows how black text looks on a background with the Yxy color 47.3427, 0.2491, 0.3669.

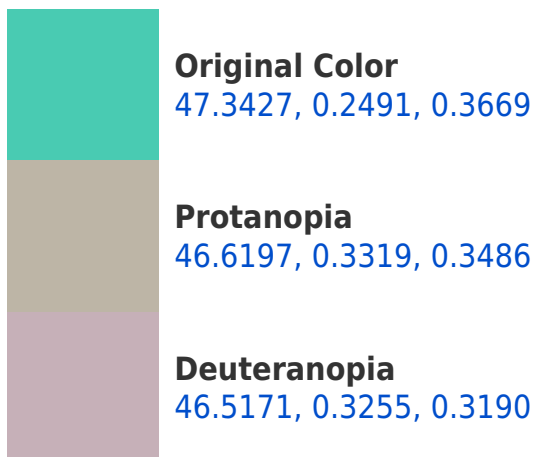


This preview shows how white text looks on a background with the Yxy color 47.3427, 0.2491, 0.3669.

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





Tritanopia

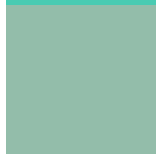
47.3179, 0.2353, 0.3062

Trichromacy



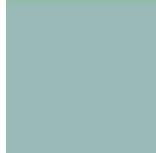
Original Color

47.3427, 0.2491, 0.3669



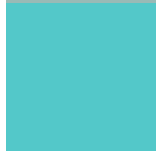
Protanomaly

45.5005, 0.2933, 0.3560



Deuteranomaly

45.2675, 0.2892, 0.3345



Tritanomaly

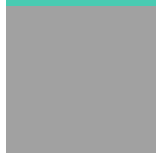
47.3646, 0.2403, 0.3273

Monochromacy



Original Color

47.3427, 0.2491, 0.3669



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.5078, 0.2808, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3427, 0.2491, 0.3669 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(73, 203, 178)` looks like.

```
.text, #text, p{  
    color:rgb(73, 203, 178)  
}
```

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(73, 203, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 203, 178) }
```

Border

The CSS property to change the border of an element to Yxy 47.3427, 0.2491, 0.3669 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(73, 203, 178) }
```

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

```
.border{ border-color:rgb(73, 203, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 203, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 203, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 203, 178);  
box-shadow:4px 4px 4px 4px rgb(73, 203,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3427, 0.2491, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 203, 178) }
```

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

```
.background{ background-color: rgb(73, 203,  
178) }
```

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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