

Converting Colors

$Yxy(46.4332, 0.2680, 0.3630)$

Have a look what the booklet for
Yxy(46.4332, 0.2680, 0.3630)
contains.

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Color

Yxy(46.4332, 0.2680, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	70C5AE
RGB	112, 197, 174
RGB Percent	44%, 77%, 68%
CMY	0.5611, 0.2274, 0.3176
CMYK	0.43, 0.00, 0.12, 0.23
HSL	164°, 42%, 61%
HSV	164°, 43%, 77%
XYZ	34.2813, 46.4332, 47.2007
YIQ	168.9630, -43.2770, -25.1730

Conversions

Conversions Part 2

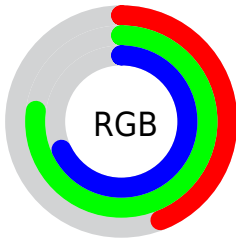
Format	Color
RYB	112, 161, 197
Decimal	7390638
CIELab	73.83, -31.27, 3.51
CIELCh	74, 31.464, 173.601
Yxy	46.4332, 0.2680, 0.3630
Android (android.graphics.Color)	4285580718 (0xFF70C5AE)
YUV	168.9630, 2.4832, -49.9566
Hunter-Lab	68.1419, -29.4474, 6.6302

Details

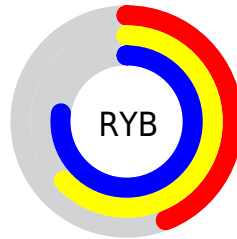
The Yxy color **46.4332, 0.2680, 0.3630** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.1921, 0.3932, 0.2985**, and the grayscale version is **39.6531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8656, 0.2766, 0.3571**, and **21.8908, 0.2549, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **45.0783, 0.2606, 0.3725**, and if you desaturate by 10%, it is **48.0827, 0.2769, 0.3541**.

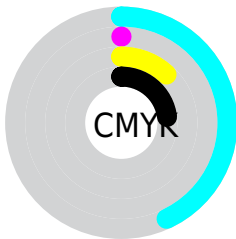
Distribution



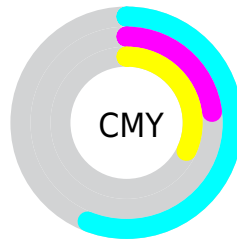
- Red (44%)
- Green (77%)
- Blue (68%)



- Red (44%)
- Yellow (63%)
- Blue (77%)



- Cyan (43%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)




- Cyan (56%)
- Magenta (23%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4332, 0.2680, 0.3630 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 46.4332, 0.2680, 0.3630 by changing the saturation by 10% instead.


 46.4332, 0.2680,
0.3630

 46.4332, 0.2680,
0.3630


372.5475, 0.2904,
0.3457


 32.5878, 0.2624,
0.3674


 84.8669, 0.2762,
0.3567

 21.8109, 0.2552,
0.3731


 110.2241, 0.2792,
0.3543

 13.7180, 0.2456,
0.3807


 140.1873, 0.2818,
0.3523

 7.9248, 0.2321,
0.3916

175.1409, 0.2840,
0.3506

 4.0469, 0.2122,
0.4081

215.4693, 0.2860,
0.3492

 1.6998, 0.1778,
0.4371

261.5570, 0.2876,

 0.4235, 0.0000,

0.3479

0.6623

313.7882, 0.2891,
0.3467

■ 0.0000, 0.0000,
0.0000

■ 46.4332, 0.2680,
0.3630

■ 46.4332, 0.2680,
0.3630

■ 45.0783, 0.2606,
0.3725

■ 48.0827, 0.2769,
0.3541

■ 43.9937, 0.2548,
0.3823

■ 50.0383, 0.2868,
0.3457

■ 43.1603, 0.2509,
0.3924


■ 52.3176, 0.2976,
0.3381


■ 42.5540, 0.2490,
0.4026


■ 54.9352, 0.3090,
0.3311

■ 42.1457, 0.2491,
0.4127


■ 57.9048, 0.3207,
0.3248

 41.9444, 0.2499,
0.4195

 61.2393, 0.3325,
0.3192

 64.9511, 0.3441,
0.3142

 66.1894, 0.3441,
0.3091

 66.4706, 0.3399,
0.3037

Harmonies

Analogous

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



46.4332, 0.3083, 0.3974



46.4332, 0.2680, 0.3630



46.4332, 0.2407, 0.3195

Triad

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



46.4332, 0.2680, 0.3630



46.4332, 0.2708, 0.2588



46.4332, 0.4007, 0.3660

Complementary

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



46.4332, 0.2680, 0.3630



25.1921, 0.3932, 0.2985

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.



46.4332, 0.3900, 0.3308



46.4332, 0.2680, 0.3630



46.4332, 0.3122, 0.2716

Square

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



46.4332, 0.2680, 0.3630



46.4332, 0.2424, 0.2621



46.4332, 0.3566, 0.2972



46.4332, 0.3860, 0.3952

Rectangle

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



46.4332, 0.2680, 0.3630



46.4332, 0.2326, 0.2936



46.4332, 0.3566, 0.2972



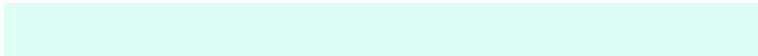
46.4332, 0.4000, 0.3545

Sweetspot

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



46.4351, 0.2680, 0.3630



93.6819, 0.2976, 0.3381



46.3444, 0.3243, 0.4548



19.8449, 0.2952, 0.3397



0.0000, 0.0000, 0.0000



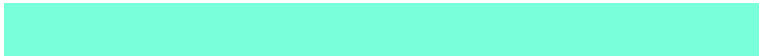
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.4351, 0.2680, 0.3630



80.8086, 0.2608, 0.3721



39.5434, 0.2502, 0.3017



12.0167, 0.3019, 0.3353



27.5989, 0.2495, 0.4182



1.3185, 0.2437, 0.3972

Inverse Universe

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



25.1921, 0.3932, 0.2985



37.7551, 0.4218, 0.2925



29.1024, 0.4133, 0.3540



10.6833, 0.3248, 0.3228



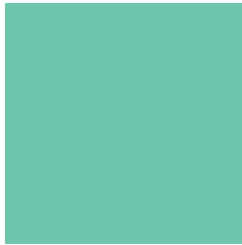
7.9905, 0.5842, 0.2992



0.3909, 0.5228, 0.2653

Previews

White Background



This preview shows how the Yxy color 46.4332, 0.2680, 0.3630 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 46.4332, 0.2680, 0.3630 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

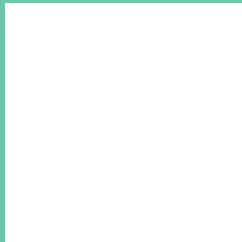
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.4332, 0.2680, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 46.4332, 0.2680, 0.3630.

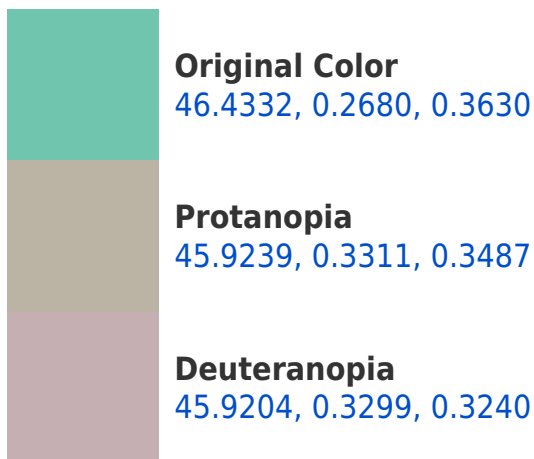


This preview shows how white text looks on a background with the Yxy color 46.4332, 0.2680, 0.3630.

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

46.3183, 0.2524, 0.3067

Trichromacy



Original Color

46.4332, 0.2680, 0.3630

Protanomaly

45.4185, 0.3050, 0.3540

Deuteranomaly

45.2568, 0.3040, 0.3371

Tritanomaly

46.4206, 0.2579, 0.3260

Monochromacy



Original Color

46.4332, 0.2680, 0.3630

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.4764, 0.2929, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4332, 0.2680, 0.3630 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(112, 197, 174)` looks like.

```
.text, #text, p{  
    color:rgb(112, 197, 174)  
}
```

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(112, 197, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 197, 174) }
```

Border

The CSS property to change the border of an element to Yxy 46.4332, 0.2680, 0.3630 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(112, 197, 174) }
```

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

```
.border{ border-color:rgb(112, 197, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 197, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 197, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 197, 174);  
box-shadow:4px 4px 4px 4px rgb(112, 197,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4332, 0.2680, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 197, 174) }
```

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

```
.background{ background-color: rgb(112,  
197, 174) }
```

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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