

Converting Colors

$Yxy(47.0342, 0.2331, 0.3549)$

Have a look what the booklet for
Yxy(47.0342, 0.2331, 0.3549)
contains.

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Color

Yxy(46.9022, 0.2331, 0.3549)

Conversions

Conversions Part 1

Format	Color
Hex	12CCBB
RGB	18, 204, 187
RGB Percent	7%, 80%, 73%
CMY	0.9314, 0.1999, 0.2666
CMYK	0.91, 0.00, 0.08, 0.20
HSL	175°, 84%, 43%
HSV	175°, 91%, 80%
XYZ	30.8056, 46.9022, 54.4483
YIQ	146.4480, -105.3990, -44.7190

Conversions

Conversions Part 2

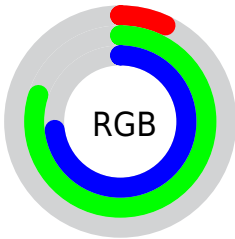
Format	Color
RYB	18, 115, 204
Decimal	1232059
CIELab	74.13, -45.03, -3.36
CIELCh	74, 45.151, 184.261
Yxy	46.9022, 0.2331, 0.3549
Android (android.graphics.Color)	4279422139 (0xFF12CCBB)
YUV	146.4480, 19.9921, -112.6489
Hunter-Lab	68.4852, -39.5573, 0.8018

Details

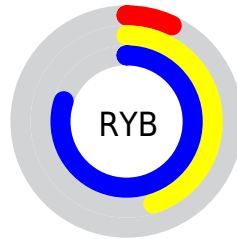
The Yxy color **46.9022, 0.2331, 0.3549** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **13.3743, 0.6111, 0.3217**, and the grayscale version is **28.8259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1792, 0.2456, 0.3430**, and **23.2161, 0.2333, 0.3599** is the 20% darker color. If you saturate the color by 10%, you get **46.7121, 0.2327, 0.3575**, and if you desaturate by 10%, it is **47.2706, 0.2349, 0.3518**.

Distribution



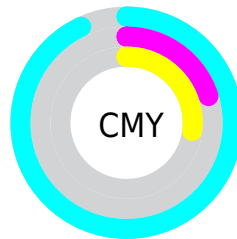
- Red (7%)
- Green (80%)
- Blue (73%)



- Red (7%)
- Yellow (45%)
- Blue (80%)



- Cyan (91%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)





- Cyan (93%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9022, 0.2331, 0.3549 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 46.9022, 0.2331, 0.3549 by changing the saturation by 10% instead.


 46.9022, 0.2331,
0.3549


 46.9022, 0.2331,
0.3549


374.4240, 0.2722,
0.3426


 32.9583, 0.2236,
0.3578


 85.5676, 0.2471,
0.3506


 22.0945, 0.2117,
0.3613


 111.0580, 0.2524,
0.3489

 13.9264, 0.1961,
0.3657


 141.1660, 0.2569,
0.3475

 8.0695, 0.1751,
0.3715

 176.2760, 0.2608,
0.3462

 4.1394, 0.1457,
0.3788

 216.7724, 0.2642,
0.3452

 1.7519, 0.0872,
0.3945

263.0396, 0.2672,

 0.4569, 0.0000,

0.3442

0.3843

315.4620, 0.2698,
0.3433

■ 0.0000, 0.0000,
0.0000

■ 46.9022, 0.2331,
0.3549

■ 46.9022, 0.2331,
0.3549

■ 46.7121, 0.2327,
0.3575

■ 47.2706, 0.2349,
0.3518

■ 47.8502, 0.2385,
0.3487

■ 48.6735, 0.2441,
0.3456

■ 49.7658, 0.2515,
0.3425

■ 51.1495, 0.2607,
0.3396

■ 52.8445, 0.2715,
0.3367

■ 54.8691, 0.2836,
0.3341

■ 57.2399, 0.2968,
0.3316

■ 59.9727, 0.3107,
0.3293

Harmonies

Analogous

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



46.9022, 0.2832, 0.4152



46.9022, 0.2331, 0.3549



46.9022, 0.2054, 0.2926

Triad

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



46.9022, 0.2331, 0.3549



46.9022, 0.2720, 0.2366



46.9022, 0.4338, 0.3937

Complementary

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



46.9022, 0.2331, 0.3549



13.3743, 0.6111, 0.3217

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.



46.9022, 0.4333, 0.3462



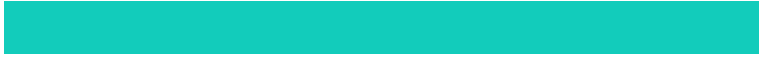
46.9022, 0.2331, 0.3549



46.9022, 0.3340, 0.2607

Square

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



46.9022, 0.2331, 0.3549



46.9022, 0.2262, 0.2319



46.9022, 0.3954, 0.2994



46.9022, 0.3998, 0.4318

Rectangle

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



46.9022, 0.2331, 0.3549



46.9022, 0.2012, 0.2614



46.9022, 0.3954, 0.2994



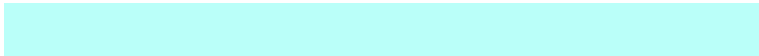
46.9022, 0.4379, 0.3783

Sweetspot

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



46.9040, 0.2331, 0.3549



88.8002, 0.2763, 0.3356



43.6117, 0.3039, 0.5907



18.7697, 0.2722, 0.3366



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.



46.9040, 0.2331, 0.3549



77.3323, 0.2328, 0.3579



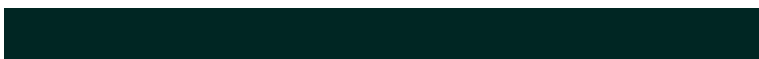
20.2925, 0.1916, 0.2042



12.7087, 0.2995, 0.3311



29.4043, 0.2325, 0.3571



1.5222, 0.2309, 0.3511

Inverse Universe

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



13.3743, 0.6111, 0.3217



21.3229, 0.6322, 0.3257



20.5541, 0.5505, 0.3923



11.2300, 0.3276, 0.3269



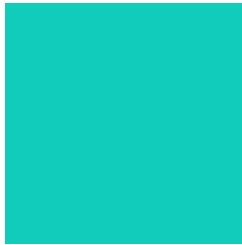
8.1148, 0.6287, 0.3237



0.4245, 0.5952, 0.3052

Previews

White Background



This preview shows how the Yxy color 46.9022, 0.2331, 0.3549 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 46.9022, 0.2331, 0.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

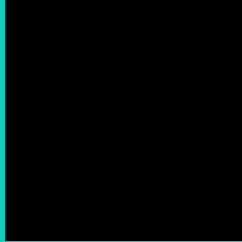
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

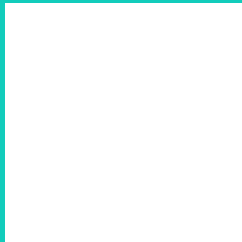
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9022, 0.2331, 0.3549

Background



This preview shows how black text looks on a background with the Yxy color 46.9022, 0.2331, 0.3549.

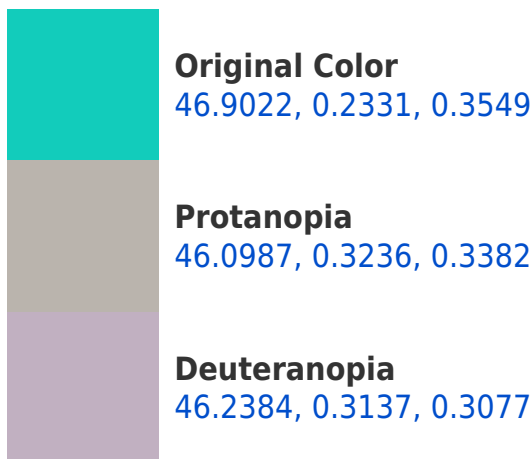


This preview shows how white text looks on a background with the Yxy color 46.9022, 0.2331, 0.3549.

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

46.9965, 0.2243, 0.3058

Trichromacy



Original Color

46.9022, 0.2331, 0.3549



Protanomaly

43.9695, 0.2722, 0.3450



Deuteranomaly

43.5465, 0.2661, 0.3217



Tritanomaly

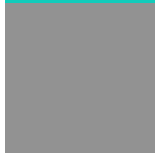
46.6124, 0.2268, 0.3228

Monochromacy



Original Color

46.9022, 0.2331, 0.3549



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.8633, 0.2619, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9022, 0.2331, 0.3549 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(18, 204, 187)` looks like.

```
.text, #text, p{  
    color:rgb(18, 204, 187)  
}
```

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(18, 204, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 204, 187) }
```

Border

The CSS property to change the border of an element to Yxy 46.9022, 0.2331, 0.3549 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(18, 204, 187) }
```

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

```
.border{ border-color:rgb(18, 204, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 204, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 204, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 204, 187);  
box-shadow:4px 4px 4px 4px rgb(18, 204,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9022, 0.2331, 0.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 204, 187) }
```

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

```
.background{ background-color: rgb(18, 204,  
187) }
```

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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