

Converting Colors

$Y_{xy}(46.7528, 0.2322, 0.3557)$

Have a look what the booklet for
Yxy(46.7528, 0.2322, 0.3557)
contains.

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Color

Yxy(46.7800, 0.2320, 0.3550)

Conversions

Conversions Part 1

Format	Color
Hex	01CCBB
RGB	1, 204, 187
RGB Percent	0%, 80%, 73%
CMY	0.9967, 0.2000, 0.2667
CMYK	1.00, 0.00, 0.08, 0.20
HSL	175°, 99%, 40%
HSV	175°, 100%, 80%
XYZ	30.5717, 46.7800, 54.4229
YIQ	141.3650, -115.5310, -48.3230

Conversions

Conversions Part 2

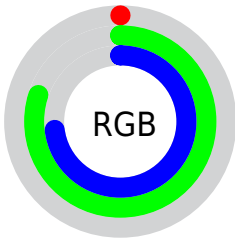
Format	Color
RYB	1, 107, 204
Decimal	117947
CIELab	74.05, -45.56, -3.47
CIELCh	74, 45.692, 184.350
Yxy	46.7800, 0.2320, 0.3550
Android (android.graphics.Color)	4278308027 (0xFF01CCBB)
YUV	141.3650, 22.4981, -123.1001
Hunter-Lab	68.3959, -39.9066, 0.6998

Details

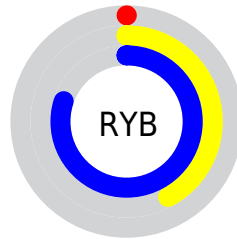
The Yxy color **46.7800, 0.2320, 0.3550** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.8996, 0.6309, 0.3253**, and the grayscale version is **26.7107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9943, 0.2446, 0.3430**, and **23.2161, 0.2333, 0.3599** is the 20% darker color. If you saturate the color by 10%, you get **46.7734, 0.2320, 0.3551**, and if you desaturate by 10%, it is **47.0120, 0.2327, 0.3522**.

Distribution



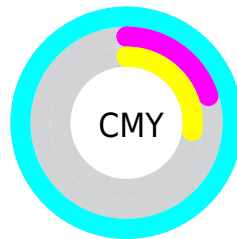
- Red (0%)
- Green (80%)
- Blue (73%)



- Red (0%)
- Yellow (42%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7800, 0.2320, 0.3550 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 46.7800, 0.2320, 0.3550 by changing the saturation by 10% instead.


 46.7800, 0.2320,
0.3550

 46.7800, 0.2320,
0.3550


373.9357, 0.2716,
0.3427


 32.8618, 0.2224,
0.3579


 85.3851, 0.2462,
0.3507


 22.0206, 0.2103,
0.3614


 110.8408, 0.2516,
0.3490

 13.8720, 0.1945,
0.3658


 140.9111, 0.2562,
0.3476

 8.0317, 0.1733,
0.3715

 175.9805, 0.2601,
0.3463

 4.1152, 0.1436,
0.3788

 216.4332, 0.2636,
0.3452

 1.7382, 0.0831,
0.3948

262.6537, 0.2666,

 0.4482, 0.0000,

0.3443

0.3803

315.0264, 0.2692,
0.3434

■ 0.0000, 0.0000,
0.0000

■ 46.7800, 0.2320,
0.3550

■ 46.7800, 0.2320,
0.3550

■ 46.7734, 0.2320,
0.3551

■ 47.0120, 0.2327,
0.3522

■ 47.4091, 0.2349,
0.3494

■ 48.0252, 0.2389,
0.3465

■ 48.8896, 0.2448,
0.3437

■ 50.0272, 0.2527,
0.3409

■ 51.4597, 0.2622,
0.3382

■ 53.2069, 0.2734,
0.3356

■ 55.2866, 0.2858,
0.3332

■ 57.7153, 0.2992,
0.3310

Harmonies

Analogous

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



46.7800, 0.2826, 0.4163



46.7800, 0.2320, 0.3550



46.7800, 0.2042, 0.2919

Triad

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



46.7800, 0.2320, 0.3550



46.7800, 0.2716, 0.2356



46.7800, 0.4352, 0.3945

Complementary

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



46.7800, 0.2320, 0.3550



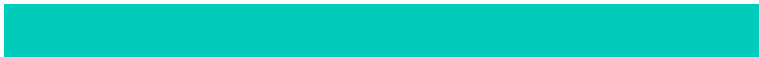
12.8996, 0.6309, 0.3253

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.



46.7800, 0.4349, 0.3464



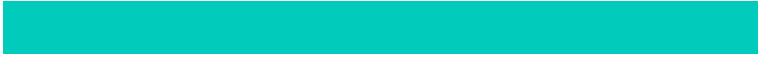
46.7800, 0.2320, 0.3550



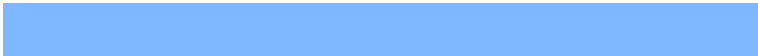
46.7800, 0.3344, 0.2600

Square

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



46.7800, 0.2320, 0.3550



46.7800, 0.2253, 0.2308



46.7800, 0.3966, 0.2991



46.7800, 0.4007, 0.4330

Rectangle

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



46.7800, 0.2320, 0.3550



46.7800, 0.2000, 0.2604



46.7800, 0.3966, 0.2991



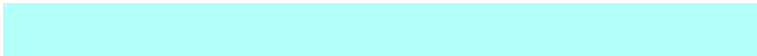
46.7800, 0.4394, 0.3789

Sweetspot

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



46.7818, 0.2320, 0.3550



87.8583, 0.2724, 0.3358



43.3520, 0.3022, 0.5980



18.5307, 0.2675, 0.3369



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.



46.7818, 0.2320, 0.3550



77.4397, 0.2321, 0.3555



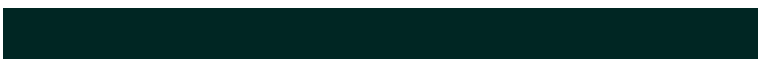
18.4660, 0.1867, 0.1920



12.7102, 0.2994, 0.3309



29.4442, 0.2319, 0.3547



1.5239, 0.2303, 0.3492

Inverse Universe

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



12.8996, 0.6309, 0.3253



21.3155, 0.6331, 0.3261



18.8901, 0.5698, 0.3853



11.2287, 0.3277, 0.3271



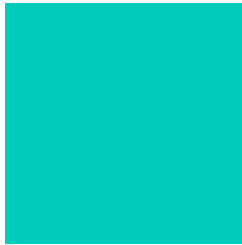
8.1114, 0.6298, 0.3243



0.4239, 0.5985, 0.3071

Previews

White Background



This preview shows how the Yxy color 46.7800, 0.2320, 0.3550 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 46.7800, 0.2320, 0.3550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

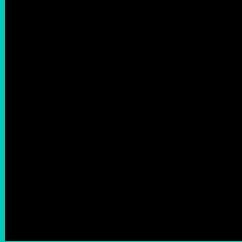
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7800, 0.2320, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 46.7800, 0.2320, 0.3550.

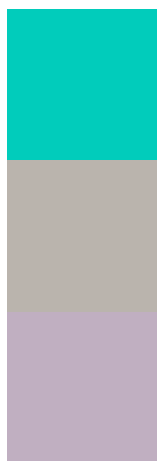


This preview shows how white text looks on a background with the Yxy color 46.7800, 0.2320, 0.3550.

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

46.7800, 0.2320, 0.3550

Protanopia

46.0987, 0.3236, 0.3382

Deuteranopia

45.7167, 0.3129, 0.3064



Tritanopia

46.9445, 0.2238, 0.3058

Trichromacy



Original Color

46.7800, 0.2320, 0.3550



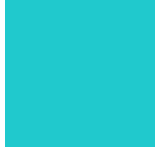
Protanomaly

43.5315, 0.2683, 0.3452



Deuteranomaly

43.0170, 0.2616, 0.3216



Tritanomaly

46.4881, 0.2257, 0.3228

Monochromacy



Original Color

46.7800, 0.2320, 0.3550



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.1932, 0.2573, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7800, 0.2320, 0.3550 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(1, 204, 187)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 204, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 187) }
```

Border

The CSS property to change the border of an element to Yxy 46.7800, 0.2320, 0.3550 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(1, 204, 187) }
```

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

```
.border{ border-color:rgb(1, 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(1, 204, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 187);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7800, 0.2320, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 187) }
```

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

```
.background{ background-color: rgb(1, 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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