

Converting Colors

$Yxy(46.5660, 0.2701, 0.3495)$

Have a look what the booklet for
Yxy(46.5660, 0.2701, 0.3495)
contains.

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Color

Yxy(46.5774, 0.2700, 0.3491)

Conversions

Conversions Part 1

Format	Color
Hex	7BC3B5
RGB	123, 195, 181
RGB Percent	48%, 76%, 71%
CMY	0.5177, 0.2353, 0.2901
CMYK	0.37, 0.00, 0.07, 0.24
HSL	168°, 38%, 62%
HSV	168°, 37%, 76%
XYZ	36.0238, 46.5774, 50.8202
YIQ	171.8760, -38.4180, -19.6180

Conversions

Conversions Part 2

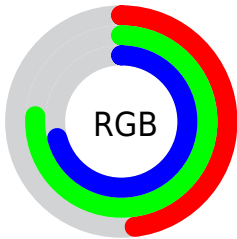
Format	Color
RYB	123, 163, 195
Decimal	8111029
CIELab	73.92, -25.74, -0.11
CIElCh	74, 25.738, 180.239
Yxy	46.5774, 0.2700, 0.3491
Android (android.graphics.Color)	4286301109 (0xFF7BC3B5)
YUV	171.8760, 4.4981, -42.8643
Hunter-Lab	68.2476, -25.2141, 3.6234

Details

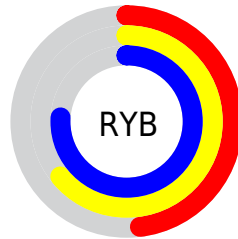
The Yxy color **46.5774, 0.2700, 0.3491** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.5694, 0.3838, 0.3103**, and the grayscale version is **41.1800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2002, 0.2776, 0.3455**, and **21.8735, 0.2579, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **45.1284, 0.2610, 0.3555**, and if you desaturate by 10%, it is **48.3208, 0.2804, 0.3431**.

Distribution



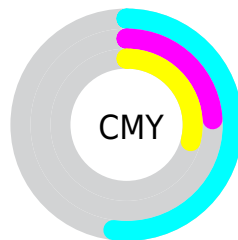
- Red (48%)
- Green (76%)
- Blue (71%)



- Red (48%)
- Yellow (64%)
- Blue (76%)



- Cyan (37%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)



- Cyan (52%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5774, 0.2700, 0.3491 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 46.5774, 0.2700, 0.3491 by changing the saturation by 10% instead.

■ 46.5774, 0.2700,
0.3491

■ 46.5774, 0.2700,
0.3491

373.1251, 0.2913,
0.3391

■ 32.7017, 0.2647,
0.3516

■ 85.0825, 0.2777,
0.3455

■ 21.8980, 0.2580,
0.3547

■ 110.4806, 0.2806,
0.3441

■ 13.7820, 0.2490,
0.3589

■ 140.4884, 0.2831,
0.3430

■ 7.9692, 0.2366,
0.3648

175.4902, 0.2852,
0.3420

■ 4.0752, 0.2182,
0.3733

215.8703, 0.2870,
0.3411

■ 1.7157, 0.1887,
0.3871

262.0133, 0.2886,

■ 0.4338, 0.0000,

0.3404

0.4748

314.3034, 0.2900,
0.3397

0.0000, 0.0000,
0.0000

46.5774, 0.2700,
0.3491

46.5774, 0.2700,
0.3491

45.1284, 0.2610,
0.3555

48.3208, 0.2804,
0.3431

43.9511, 0.2535,
0.3622

50.3686, 0.2918,
0.3374

43.0283, 0.2478,
0.3691

52.7374, 0.3040,
0.3323


42.3387, 0.2441,
0.3762

55.4408, 0.3166,
0.3276

41.8574, 0.2422,
0.3832


58.4917, 0.3295,
0.3234


 41.5504, 0.2422,
0.3902

 61.9021, 0.3425,
0.3197

 41.4719, 0.2423,
0.3923

 64.8229, 0.3516,
0.3162

 65.0109, 0.3486,
0.3124

 65.2034, 0.3456,
0.3085

Harmonies

Analogous

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



46.5774, 0.3017, 0.3793



46.5774, 0.2700, 0.3491



46.5774, 0.2502, 0.3143

Triad

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



46.5774, 0.2700, 0.3491



46.5774, 0.2853, 0.2720



46.5774, 0.3837, 0.3663

Complementary

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



46.5774, 0.2700, 0.3491



27.5694, 0.3838, 0.3103

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.



46.5774, 0.3794, 0.3377



46.5774, 0.2700, 0.3491



46.5774, 0.3208, 0.2853

Square

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



46.5774, 0.2700, 0.3491



46.5774, 0.2587, 0.2719



46.5774, 0.3558, 0.3087



46.5774, 0.3679, 0.3874

Rectangle

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



46.5774, 0.2700, 0.3491



46.5774, 0.2457, 0.2945



46.5774, 0.3558, 0.3087



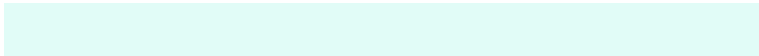
46.5774, 0.3846, 0.3572

Sweetspot

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



46.5793, 0.2700, 0.3491



92.5791, 0.2987, 0.3344



45.8132, 0.3185, 0.4359



20.1453, 0.2971, 0.3351



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.



46.5793, 0.2700, 0.3491



81.3624, 0.2629, 0.3540



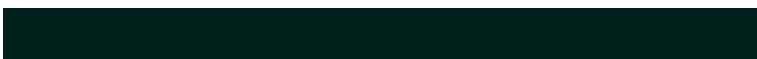
38.1901, 0.2571, 0.2972



11.3938, 0.3010, 0.3335



26.9650, 0.2421, 0.3914



1.1739, 0.2377, 0.3758

Inverse Universe

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



27.5694, 0.3838, 0.3103



42.5812, 0.4066, 0.3065



33.1579, 0.3906, 0.3583



10.1091, 0.3259, 0.3246



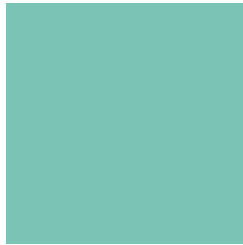
7.6407, 0.6068, 0.3116



0.3399, 0.5459, 0.2781

Previews

White Background



This preview shows how the Yxy color 46.5774, 0.2700, 0.3491 looks on a white background.

Color Contrast Check

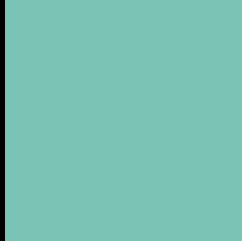
Large Text (above 18pt) WCAG AA × Fail

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 46.5774, 0.2700, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

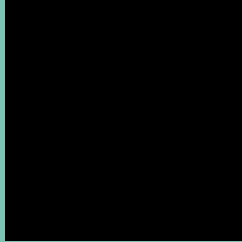
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

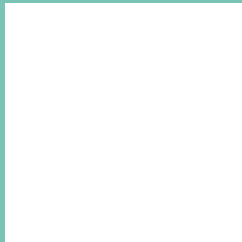
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5774, 0.2700, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 46.5774, 0.2700, 0.3491.

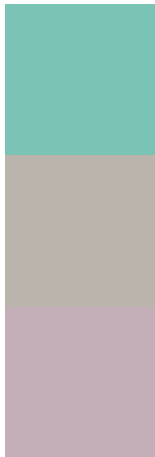


This preview shows how white text looks on a background with the Yxy color 46.5774, 0.2700, 0.3491.

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

46.5774, 0.2700, 0.3491

Protanopia

46.0987, 0.3236, 0.3382

Deuteranopia

45.8985, 0.3230, 0.3165



Tritanopia

46.4337, 0.2574, 0.3069

Trichromacy



Original Color

46.5774, 0.2700, 0.3491

Protanomaly

45.6190, 0.3014, 0.3413

Deuteranomaly

45.3516, 0.3003, 0.3263

Tritanomaly

46.2885, 0.2616, 0.3204

Monochromacy



Original Color

46.5774, 0.2700, 0.3491

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.6077, 0.2948, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5774, 0.2700, 0.3491 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(123, 195, 181)` looks like.

```
.text, #text, p{  
    color:rgb(123, 195, 181)  
}
```

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(123, 195, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 195, 181) }
```

Border

The CSS property to change the border of an element to Yxy 46.5774, 0.2700, 0.3491 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(123, 195, 181) }
```

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

```
.border{ border-color:rgb(123, 195, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 195, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 195, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 195, 181);  
box-shadow:4px 4px 4px 4px rgb(123, 195,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5774, 0.2700, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 195, 181) }
```

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

```
.background{ background-color: rgb(123,  
195, 181) }
```

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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