

Converting Colors

$Y_{xy}(46.0268, 0.2176, 0.3137)$

Have a look what the booklet for
Yxy(46.0268, 0.2176, 0.3137)
contains.

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Color

Yxy(46.4764, 0.2206, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	01C9D3
RGB	1, 201, 211
RGB Percent	0%, 79%, 83%
CMY	0.9972, 0.2118, 0.1725
CMYK	1.00, 0.05, 0.00, 0.17
HSL	183°, 99%, 42%
HSV	183°, 100%, 83%
XYZ	32.6519, 46.4764, 68.8857
YIQ	142.3400, -122.4100, -39.2900

Conversions

Conversions Part 2

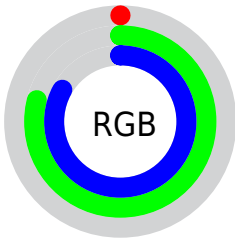
Format	Color
RYB	1, 103, 211
Decimal	117203
CIELab	73.85, -37.12, -16.77
CIELCh	74, 40.732, 204.317
Yxy	46.4764, 0.2206, 0.3140
Android (android.graphics.Color)	4278307283 (0xFF01C9D3)
YUV	142.3400, 33.8494, -123.9552
Hunter-Lab	68.1736, -33.8108, -12.1878

Details

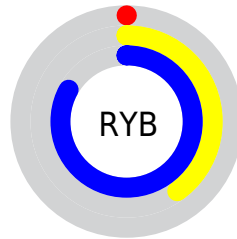
The Yxy color **46.4764, 0.2206, 0.3140** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.0858, 0.6367, 0.3323**, and the grayscale version is **27.0548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **22.9921, 0.2187, 0.3073** is the 20% darker color. If you saturate the color by 10%, you get **46.4575, 0.2205, 0.3139**, and if you desaturate by 10%, it is **47.1123, 0.2224, 0.3156**.

Distribution



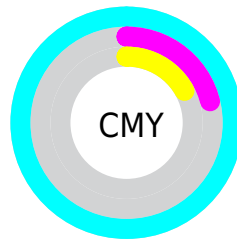
- Red (0%)
- Green (79%)
- Blue (83%)



- Red (0%)
- Yellow (40%)
- Blue (83%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (21%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4764, 0.2206, 0.3140 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 46.4764, 0.2206, 0.3140 by changing the saturation by 10% instead.

 46.4764, 0.2206,
0.3140


 46.4764, 0.2206,
0.3140

372.7206, 0.2650,
0.3230

 32.6219, 0.2101,
0.3113


 84.9315, 0.2363,
0.3176

 21.8370, 0.1970,
0.3076


 110.3010, 0.2423,
0.3189


 13.7372, 0.1803,
0.3024


 140.2775, 0.2475,
0.3199

 7.9381, 0.1584,
0.2944

 175.2455, 0.2519,
0.3207

 4.0554, 0.1288,
0.2813

 215.5895, 0.2558,
0.3215

 1.7046, 0.0838,
0.2590

261.6937, 0.2593,

 0.4266, 0.0000,

0.3221

0.1911

313.9426, 0.2623,
0.3226

■ 0.0000, 0.0000,
0.0000

■ 46.4764, 0.2206,
0.3140

■ 46.4764, 0.2206,
0.3140

■ 46.4575, 0.2205,
0.3139

■ 47.1123, 0.2224,
0.3156

■ 47.9291, 0.2257,
0.3171

■ 48.9844, 0.2308,
0.3187

■ 50.3103, 0.2378,
0.3204

■ 51.9339, 0.2468,
0.3220

■ 53.8788, 0.2575,
0.3235

■ 56.1664, 0.2698,
0.3250

■ 58.8161, 0.2833,
0.3265

■ 61.8460, 0.2979,
0.3278

Harmonies

Analogous

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



46.4764, 0.2538, 0.3720



46.4764, 0.2206, 0.3140



46.4764, 0.2106, 0.2679

Triad

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



46.4764, 0.2206, 0.3140



46.4764, 0.3128, 0.2573



46.4764, 0.4054, 0.4134

Complementary

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



46.4764, 0.2206, 0.3140



14.0858, 0.6367, 0.3323

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.



46.4764, 0.4262, 0.3751



46.4764, 0.2206, 0.3140



46.4764, 0.3706, 0.2892

Square

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



46.4764, 0.2206, 0.3140



46.4764, 0.2599, 0.2408



46.4764, 0.4138, 0.3308



46.4764, 0.3601, 0.4327

Rectangle

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



46.4764, 0.2206, 0.3140



46.4764, 0.2171, 0.2491



46.4764, 0.4138, 0.3308



46.4764, 0.4156, 0.4020

Sweetspot

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



46.4781, 0.2206, 0.3140



85.9604, 0.2689, 0.3249



46.6167, 0.2995, 0.5980



18.0679, 0.2635, 0.3243



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.



46.4781, 0.2206, 0.3140



71.2307, 0.2205, 0.3138



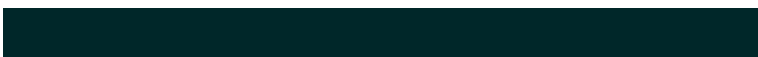
13.6048, 0.1739, 0.1459



13.3065, 0.2983, 0.3278



28.0772, 0.2206, 0.3142



1.6003, 0.2214, 0.3171

Inverse Universe

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



18.0831, 0.3333, 0.1611



27.7219, 0.3335, 0.1611



25.6348, 0.5315, 0.4159



11.9989, 0.3145, 0.3072



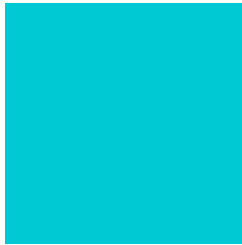
10.9057, 0.3331, 0.1609



0.6128, 0.3307, 0.1595

Previews

White Background



This preview shows how the Yxy color 46.4764, 0.2206, 0.3140 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 46.4764, 0.2206, 0.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

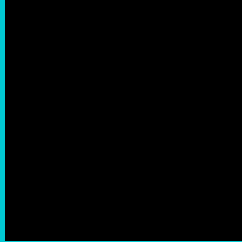
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4764, 0.2206, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 46.4764, 0.2206, 0.3140.



This preview shows how white text looks on a background with the Yxy color 46.4764, 0.2206, 0.3140.

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

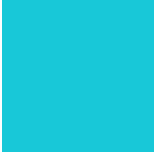
46.4829, 0.2206, 0.3140

Protanopia

45.7364, 0.2979, 0.3057

Deuteranopia

45.7637, 0.2847, 0.2780



Tritanopia

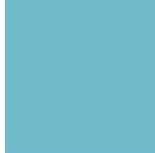
46.4606, 0.2198, 0.3055

Trichromacy



Original Color

46.4829, 0.2206, 0.3140



Protanomaly

43.3823, 0.2506, 0.3074



Deuteranomaly

43.2491, 0.2435, 0.2871



Tritanomaly

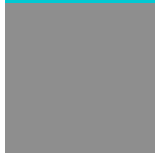
46.2738, 0.2199, 0.3083

Monochromacy



Original Color

46.4829, 0.2206, 0.3140



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.2086, 0.2517, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4764, 0.2206, 0.3140 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, 201, 211)` looks like.

```
.text, #text, p{  
    color:rgb(1, 201, 211)  
}
```

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, 201, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 201, 211) }
```

Border

The CSS property to change the border of an element to Yxy 46.4764, 0.2206, 0.3140 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, 201, 211) }
```

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

```
.border{ border-color:rgb(1, 201, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 201, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 201, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 201, 211);  
box-shadow:4px 4px 4px 4px rgb(1, 201,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4764, 0.2206, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 201, 211) }
```

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

```
.background{ background-color: rgb(1, 201,  
211) }
```

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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