

Converting Colors

$Y_{xy}(46.6208, 0.2227, 0.3217)$

Have a look what the booklet for
Yxy(46.6208, 0.2227, 0.3217)
contains.

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Color

Yxy(46.7461, 0.2226, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	00CACF
RGB	0, 202, 207
RGB Percent	0%, 79%, 81%
CMY	0.9992, 0.2078, 0.1882
CMYK	1.00, 0.02, 0.00, 0.19
HSL	181°, 100%, 41%
HSV	181°, 100%, 81%
XYZ	32.3862, 46.7461, 66.3582
YIQ	142.1720, -121.9970, -41.2690

Conversions

Conversions Part 2

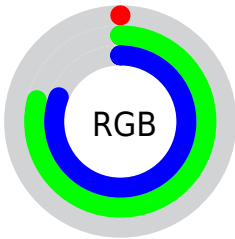
Format	Color
RYB	0, 102, 207
Decimal	51919
CIELab	74.03, -38.82, -14.35
CIElCh	74, 41.385, 200.285
Yxy	46.7461, 0.2226, 0.3213
Android (android.graphics.Color)	4278241999 (0xFF00CACF)
YUV	142.1720, 31.9602, -124.6848
Hunter-Lab	68.3711, -35.0972, -9.6847

Details

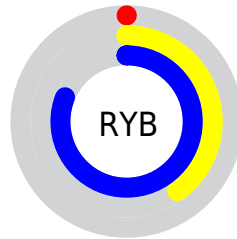
The Yxy color **46.7461, 0.2226, 0.3213** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.3820, 0.6384, 0.3312**, and the grayscale version is **27.0557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **23.1673, 0.2214, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **46.7441, 0.2226, 0.3213**, and if you desaturate by 10%, it is **47.1411, 0.2242, 0.3221**.

Distribution



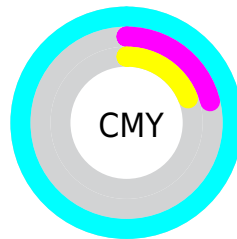
- Red (0%)
- Green (79%)
- Blue (81%)



- Red (0%)
- Yellow (40%)
- Blue (81%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)




- Cyan (100%)
- Magenta (21%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7461, 0.2226, 0.3213 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 46.7461, 0.2226, 0.3213 by changing the saturation by 10% instead.


 46.7461, 0.2226,
0.3213


 46.7461, 0.2226,
0.3213


373.8002, 0.2661,
0.3266

 32.8350, 0.2123,
0.3196


 85.3345, 0.2380,
0.3236


 22.0001, 0.1994,
0.3171


 110.7806, 0.2439,
0.3243


 13.8569, 0.1829,
0.3134


 140.8404, 0.2490,
0.3249

 8.0212, 0.1612,
0.3075

 175.8985, 0.2533,
0.3254

 4.1085, 0.1316,
0.2975

 216.3390, 0.2572,
0.3258

 1.7345, 0.0853,
0.2799

262.5466, 0.2605,

 0.4458, 0.0000,

0.3261

0.2191

314.9055, 0.2635,
0.3264

■ 0.0000, 0.0000,
0.0000

■ 46.7461, 0.2226,
0.3213

■ 46.7461, 0.2226,
0.3213

■ 46.7441, 0.2226,
0.3213

■ 47.1411, 0.2242,
0.3221

■ 47.7037, 0.2272,
0.3229

■ 48.4916, 0.2319,
0.3237

■ 49.5355, 0.2386,
0.3245

■ 50.8612, 0.2473,
0.3253

■ 52.4915, 0.2577,
0.3261

■ 54.4467, 0.2697,
0.3269

■ 56.7454, 0.2831,
0.3277

■ 59.4048, 0.2976,
0.3284

Harmonies

Analogous

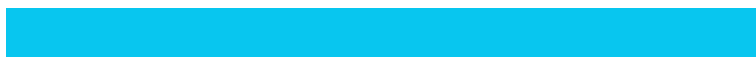
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.7461, 0.2590, 0.3803



46.7461, 0.2226, 0.3213



46.7461, 0.2093, 0.2721

Triad

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



46.7461, 0.2226, 0.3213



46.7461, 0.3049, 0.2532



46.7461, 0.4111, 0.4100

Complementary

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



46.7461, 0.2226, 0.3213



13.3820, 0.6384, 0.3312

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.



46.7461, 0.4282, 0.3697



46.7461, 0.2226, 0.3213



46.7461, 0.3639, 0.2837

Square

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



46.7461, 0.2226, 0.3213



46.7461, 0.2531, 0.2388



46.7461, 0.4109, 0.3248



46.7461, 0.3678, 0.4333

Rectangle

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



46.7461, 0.2226, 0.3213



46.7461, 0.2138, 0.2511



46.7461, 0.4109, 0.3248



46.7461, 0.4203, 0.3977

Sweetspot

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



46.7478, 0.2226, 0.3213



87.0854, 0.2691, 0.3269



44.6438, 0.2997, 0.5990



18.3420, 0.2638, 0.3265



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.



46.7478, 0.2226, 0.3213



74.8547, 0.2226, 0.3212



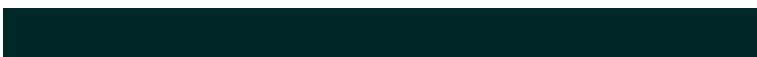
13.6537, 0.1753, 0.1511



13.3558, 0.2983, 0.3284



29.4664, 0.2226, 0.3214



1.6635, 0.2230, 0.3228

Inverse Universe

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



17.5368, 0.3271, 0.1576



28.0878, 0.3272, 0.1576



23.7965, 0.5367, 0.4120



12.0039, 0.3142, 0.3066



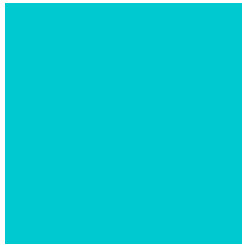
11.0459, 0.3270, 0.1575



0.6192, 0.3258, 0.1569

Previews

White Background



This preview shows how the Yxy color 46.7461, 0.2226, 0.3213 looks on a white background.

Color Contrast Check

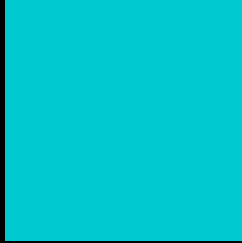
Large Text (above 18pt) WCAG AA × Fail

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 46.7461, 0.2226, 0.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

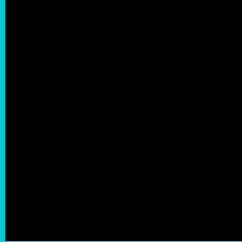
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

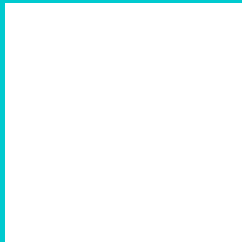
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7461, 0.2226, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 46.7461, 0.2226, 0.3213.



This preview shows how white text looks on a background with the Yxy color 46.7461, 0.2226, 0.3213.

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

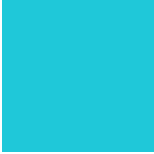
46.7461, 0.2226, 0.3213

Protanopia

45.7938, 0.3026, 0.3109

Deuteranopia

45.9220, 0.2899, 0.2829



Tritanopia

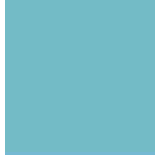
46.6096, 0.2202, 0.3042

Trichromacy



Original Color

46.7461, 0.2226, 0.3213



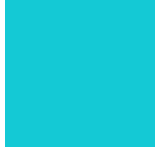
Protanomaly

43.2627, 0.2535, 0.3130



Deuteranomaly

43.1830, 0.2468, 0.2924



Tritanomaly

46.7261, 0.2210, 0.3112

Monochromacy



Original Color

46.7461, 0.2226, 0.3213



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.4778, 0.2520, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7461, 0.2226, 0.3213 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(0, 202, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 207)  
}
```

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(0, 202, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 207) }
```

Border

The CSS property to change the border of an element to Yxy 46.7461, 0.2226, 0.3213 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(0, 202, 207) }
```

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

```
.border{ border-color:rgb(0, 202, 207) }
```

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

Here you see how a box with a 4 pixel rgb(0, 202, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7461, 0.2226, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 207) }
```

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

```
.background{ background-color: rgb(0, 202,  
207) }
```

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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