

Converting Colors

$Y_{xy}(46.7643, 0.2240, 0.3263)$

Have a look what the booklet for
Yxy(46.7643, 0.2240, 0.3263)
contains.

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Color

Yxy(46.6007, 0.2238, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	00CACC
RGB	0, 202, 204
RGB Percent	0%, 79%, 80%
CMY	1.0000, 0.2078, 0.2001
CMYK	1.00, 0.01, 0.00, 0.20
HSL	181°, 100%, 40%
HSV	181°, 100%, 80%
XYZ	32.0112, 46.6007, 64.4228
YIQ	141.8300, -121.0340, -42.2020

Conversions

Conversions Part 2

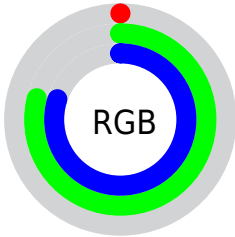
Format	Color
RYB	0, 101, 204
Decimal	51916
CIELab	73.93, -39.77, -12.84
CIELCh	74, 41.792, 197.899
Yxy	46.6007, 0.2238, 0.3258
Android (android.graphics.Color)	4278241996 (0xFF00CACC)
YUV	141.8300, 30.6498, -124.3849
Hunter-Lab	68.2647, -35.7598, -8.1679

Details

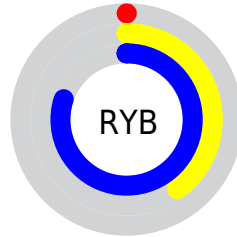
The Yxy color **46.6007, 0.2238, 0.3258** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.8777, 0.6395, 0.3305**, and the grayscale version is **26.8948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8042, 0.2402, 0.3288**, and **23.0694, 0.2230, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **46.6068, 0.2238, 0.3258**, and if you desaturate by 10%, it is **46.8521, 0.2253, 0.3261**.

Distribution



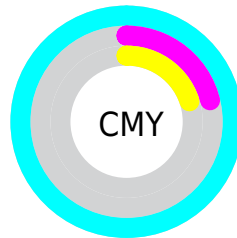
- Red (0%)
- Green (79%)
- Blue (80%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6007, 0.2238, 0.3258 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 46.6007, 0.2238, 0.3258 by changing the saturation by 10% instead.


 46.6007, 0.2238,
0.3258


 46.6007, 0.2238,
0.3258

373.2184, 0.2669,
0.3288


 32.7201, 0.2136,
0.3246


 85.1173, 0.2391,
0.3272


 21.9121, 0.2008,
0.3229


 110.5221, 0.2449,
0.3276


 13.7923, 0.1843,
0.3202


 140.5370, 0.2499,
0.3280

 7.9764, 0.1626,
0.3157

 175.5466, 0.2542,
0.3282

 4.0798, 0.1329,
0.3076

 215.9351, 0.2580,
0.3284

 1.7183, 0.0846,
0.2933

262.0870, 0.2613,

 0.4355, 0.0000,

0.3286

0.2331

314.3866, 0.2642,
0.3287

■ 0.0000, 0.0000,
0.0000

■ 46.6007, 0.2238,
0.3258

■ 46.6007, 0.2238,
0.3258

■ 46.6068, 0.2238,
0.3258

■ 46.8521, 0.2253,
0.3261

■ 47.2590, 0.2281,
0.3264

■ 47.8827, 0.2327,
0.3268

■ 48.7529, 0.2392,
0.3271

■ 49.8944, 0.2476,
0.3274

■ 51.3292, 0.2578,
0.3278

■ 53.0770, 0.2697,
0.3281

■ 55.1558, 0.2830,
0.3284

■ 57.5821, 0.2975,
0.3287

Harmonies

Analogous

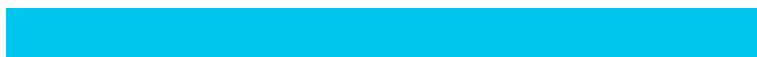
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6007, 0.2622, 0.3854



46.6007, 0.2238, 0.3258



46.6007, 0.2085, 0.2747

Triad

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



46.6007, 0.2238, 0.3258



46.6007, 0.3001, 0.2507



46.6007, 0.4146, 0.4079

Complementary

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



46.6007, 0.2238, 0.3258



12.8777, 0.6395, 0.3305

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.



46.6007, 0.4293, 0.3664



46.6007, 0.2238, 0.3258



46.6007, 0.3598, 0.2803

Square

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



46.6007, 0.2238, 0.3258



46.6007, 0.2491, 0.2376



46.6007, 0.4091, 0.3211



46.6007, 0.3724, 0.4335

Rectangle

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



46.6007, 0.2238, 0.3258



46.6007, 0.2117, 0.2522



46.6007, 0.4091, 0.3211



46.6007, 0.4231, 0.3951

Sweetspot

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



46.6068, 0.2238, 0.3258



87.7942, 0.2692, 0.3281



43.1776, 0.3000, 0.6000



18.5148, 0.2640, 0.3279



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.



46.6068, 0.2238, 0.3258



77.1801, 0.2238, 0.3258



13.8599, 0.1769, 0.1567



12.7077, 0.2984, 0.3287



29.3489, 0.2239, 0.3258



1.5202, 0.2240, 0.3264

Inverse Universe

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



17.0999, 0.3234, 0.1555



28.3225, 0.3234, 0.1555



22.3360, 0.5417, 0.4081



11.4018, 0.3139, 0.3064



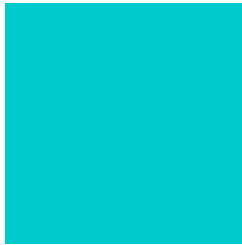
10.7658, 0.3233, 0.1555



0.5560, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 46.6007, 0.2238, 0.3258 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 46.6007, 0.2238, 0.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

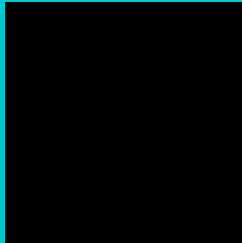
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

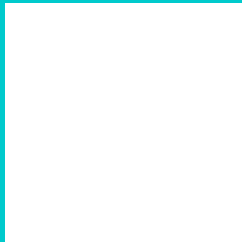
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6007, 0.2238, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 46.6007, 0.2238, 0.3258.



This preview shows how white text looks on a background with the Yxy color 46.6007, 0.2238, 0.3258.

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

46.6007, 0.2238, 0.3258

Protanopia

45.7817, 0.3057, 0.3147

Deuteranopia

45.8942, 0.2930, 0.2865



Tritanopia

46.6237, 0.2212, 0.3056

Trichromacy



Original Color

46.6007, 0.2238, 0.3258



Protanomaly

43.1256, 0.2552, 0.3172



Deuteranomaly

43.0339, 0.2484, 0.2964



Tritanomaly

46.6973, 0.2216, 0.3127

Monochromacy



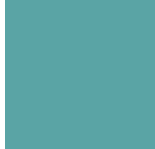
Original Color

46.6007, 0.2238, 0.3258



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.4412, 0.2527, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6007, 0.2238, 0.3258 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 204) }
```

Border

The CSS property to change the border of an element to Yxy 46.6007, 0.2238, 0.3258 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, 204) }
```

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

```
.border{ border-color:rgb(0, 202, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6007, 0.2238, 0.3258 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, 204) }
```

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

```
.background{ background-color: rgb(0, 202,  
204) }
```

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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