

Converting Colors

$Y_{xy}(44.5006, 0.2231, 0.3231)$

Have a look what the booklet for
Yxy(44.5006, 0.2231, 0.3231)
contains.

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Color

Yxy(44.6052, 0.2234, 0.3242)

Conversions

Conversions Part 1

Format	Color
Hex	00C6C9
RGB	0, 198, 201
RGB Percent	0%, 78%, 79%
CMY	0.9996, 0.2235, 0.2118
CMYK	1.00, 0.01, 0.00, 0.21
HSL	181°, 100%, 39%
HSV	181°, 100%, 79%
XYZ	30.7366, 44.6052, 62.2437
YIQ	139.1400, -118.9710, -41.0430

Conversions

Conversions Part 2

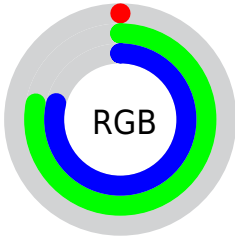
Format	Color
RYB	0, 100, 201
Decimal	50889
CIELab	72.63, -38.83, -13.17
CIELCh	73, 41.009, 198.740
Yxy	44.6052, 0.2234, 0.3242
Android (android.graphics.Color)	4278240969 (0xFF00C6C9)
YUV	139.1400, 30.4970, -122.0258
Hunter-Lab	66.7871, -34.7287, -8.5056

Details

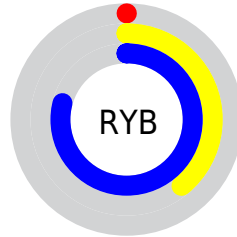
The Yxy color **44.6052, 0.2234, 0.3242** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.4842, 0.6390, 0.3307**, and the grayscale version is **25.8031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7433, 0.2399, 0.3288**, and **21.7515, 0.2224, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **44.6055, 0.2234, 0.3242**, and if you desaturate by 10%, it is **44.8940, 0.2249, 0.3247**.

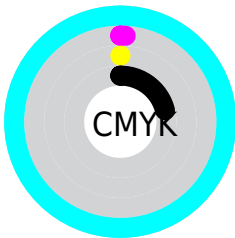
Distribution



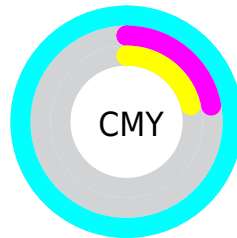
- Red (0%)
- Green (78%)
- Blue (79%)



- Red (0%)
- Yellow (39%)
- Blue (79%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6052, 0.2234, 0.3242 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 44.6052, 0.2234, 0.3242 by changing the saturation by 10% instead.


 44.6052, 0.2234,
0.3242


 44.6052, 0.2234,
0.3242


365.1722, 0.2670,
0.3280


 31.1466, 0.2130,
0.3228


 82.1277, 0.2389,
0.3259


 20.7105, 0.1999,
0.3208


 106.9603, 0.2448,
0.3265

 12.9125, 0.1830,
0.3176


 136.3530, 0.2499,
0.3269

 7.3683, 0.1606,
0.3124

 170.6902, 0.2542,
0.3272

 3.6935, 0.1299,
0.3031

 210.3564, 0.2580,
0.3275

 1.5036, 0.0731,
0.2884

255.7359, 0.2614,

 0.2913, 0.0000,

0.3277

0.1872

307.2130, 0.2643,
0.3279

■ 0.0000, 0.0000,
0.0000

■ 44.6052, 0.2234,
0.3242

■ 44.6052, 0.2234,
0.3242

■ 44.6055, 0.2234,
0.3242

■ 44.8940, 0.2249,
0.3247

■ 45.3376, 0.2278,
0.3252

■ 45.9912, 0.2325,
0.3257

■ 46.8831, 0.2391,
0.3262

■ 48.0375, 0.2476,
0.3267

■ 49.4755, 0.2579,
0.3272

■ 51.2160, 0.2698,
0.3277

■ 53.2763, 0.2831,
0.3281

■ 55.6724, 0.2976,
0.3286

Harmonies

Analogous

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



44.6052, 0.2611, 0.3835



44.6052, 0.2234, 0.3242



44.6052, 0.2088, 0.2738

Triad

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



44.6052, 0.2234, 0.3242



44.6052, 0.3018, 0.2516



44.6052, 0.4134, 0.4087

Complementary

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



44.6052, 0.2234, 0.3242



12.4842, 0.6390, 0.3307

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.



44.6052, 0.4289, 0.3675



44.6052, 0.2234, 0.3242



44.6052, 0.3613, 0.2815

Square

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



44.6052, 0.2234, 0.3242



44.6052, 0.2505, 0.2381



44.6052, 0.4097, 0.3224



44.6052, 0.3708, 0.4334

Rectangle

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



44.6052, 0.2234, 0.3242



44.6052, 0.2125, 0.2518



44.6052, 0.4097, 0.3224



44.6052, 0.4221, 0.3960

Sweetspot

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



44.6068, 0.2234, 0.3242



87.5395, 0.2692, 0.3276



41.7715, 0.3000, 0.6000



18.4527, 0.2639, 0.3274



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.



44.6068, 0.2234, 0.3242



76.3410, 0.2234, 0.3241



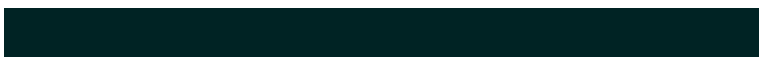
13.4376, 0.1769, 0.1569



12.0394, 0.2984, 0.3286



28.0608, 0.2234, 0.3243



1.3375, 0.2237, 0.3253

Inverse Universe

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



16.4963, 0.3247, 0.1562



28.2378, 0.3247, 0.1563



21.6371, 0.5414, 0.4082



10.8138, 0.3140, 0.3066



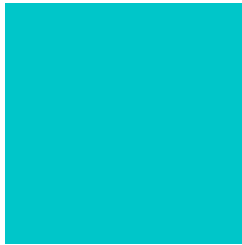
10.3727, 0.3246, 0.1562



0.4920, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 44.6052, 0.2234, 0.3242 looks on a white background.

Color Contrast Check

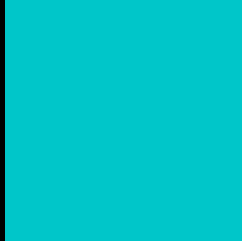
Large Text (above 18pt) WCAG AA × Fail

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 44.6052, 0.2234, 0.3242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

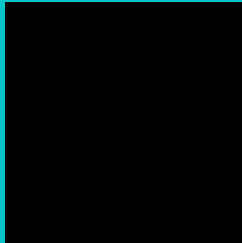
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6052, 0.2234, 0.3242

Background



This preview shows how black text looks on a background with the Yxy color 44.6052, 0.2234, 0.3242.



This preview shows how white text looks on a background with the Yxy color 44.6052, 0.2234, 0.3242.

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

44.6052, 0.2234, 0.3242

Protanopia

43.9856, 0.3048, 0.3145

Deuteranopia

44.0954, 0.2918, 0.2858



Tritanopia

44.5567, 0.2209, 0.3052

Trichromacy



Original Color

44.6052, 0.2234, 0.3242



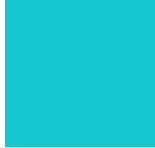
Protanomaly

41.5975, 0.2551, 0.3171



Deuteranomaly

41.5085, 0.2482, 0.2959



Tritanomaly

44.6460, 0.2215, 0.3124

Monochromacy



Original Color

44.6052, 0.2234, 0.3242



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.8250, 0.2522, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6052, 0.2234, 0.3242 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, 198, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 201)  
}
```

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, 198, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 201) }
```

Border

The CSS property to change the border of an element to Yxy 44.6052, 0.2234, 0.3242 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, 198, 201) }
```

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

```
.border{ border-color:rgb(0, 198, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6052, 0.2234, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 201) }
```

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

```
.background{ background-color: rgb(0, 198,  
201) }
```

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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