

Converting Colors

$Y_{xy}(38.5190, 0.1860, 0.3246)$

Have a look what the booklet for
Yxy(38.5190, 0.1860, 0.3246)
contains.

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Color

Yxy(42.0801, 0.2238, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	00C1C3
RGB	0, 193, 195
RGB Percent	0%, 76%, 76%
CMY	0.9989, 0.2431, 0.2352
CMYK	1.00, 0.01, 0.00, 0.24
HSL	181°, 100%, 38%
HSV	181°, 100%, 76%
XYZ	28.9236, 42.0801, 58.2349
YIQ	135.5210, -115.6700, -40.2940

Conversions

Conversions Part 2

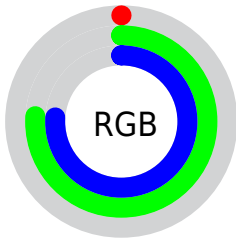
Format	Color
RYB	0, 97, 195
Decimal	49603
CIELab	70.93, -38.37, -12.47
CIELCh	71, 40.346, 198.006
Yxy	42.0801, 0.2238, 0.3256
Android (android.graphics.Color)	4278239683 (0xFF00C1C3)
YUV	135.5210, 29.3231, -118.8519
Hunter-Lab	64.8692, -33.9322, -7.8179

Details

The Yxy color **42.0801, 0.2238, 0.3256** 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 **11.6543, 0.6391, 0.3305**, and the grayscale version is **24.3857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2793, 0.2398, 0.3276**, and **20.3883, 0.2235, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **42.0786, 0.2238, 0.3256**, and if you desaturate by 10%, it is **42.3156, 0.2253, 0.3259**.

Distribution



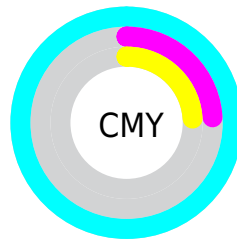
- Red (0%)
- Green (76%)
- Blue (76%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0801, 0.2238, 0.3256 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 42.0801, 0.2238, 0.3256 by changing the saturation by 10% instead.


 42.0801, 0.2238,
0.3256

 42.0801, 0.2238,
0.3256


354.8149, 0.2676,
0.3287

 29.1640, 0.2132,
0.3244


 78.3208, 0.2395,
0.3271


 19.2049, 0.1998,
0.3225


 102.4143, 0.2455,
0.3275


 11.8185, 0.1823,
0.3195


 131.0023, 0.2506,
0.3279

 6.6202, 0.1590,
0.3145

 164.4693, 0.2549,
0.3281

 3.2257, 0.1268,
0.3051

 203.1997, 0.2587,
0.3283

 1.2507, 0.0502,
0.2947

247.5778, 0.2620,

 0.1025, 0.0000,

0.3285

0.0944

297.9881, 0.2650,
0.3286

■ 0.0000, 0.0000,
0.0000

■ 42.0801, 0.2238,
0.3256

■ 42.0801, 0.2238,
0.3256

■ 42.0786, 0.2238,
0.3256

■ 42.3156, 0.2253,
0.3259

■ 42.6954, 0.2282,
0.3263

■ 43.2712, 0.2328,
0.3266

■ 44.0694, 0.2394,
0.3270

■ 45.1122, 0.2479,
0.3273

■ 46.4191, 0.2581,
0.3277

■ 48.0078, 0.2700,
0.3280

■ 49.8943, 0.2833,
0.3284

■ 52.0934, 0.2977,
0.3287

Harmonies

Analogous

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



42.0801, 0.2621, 0.3851



42.0801, 0.2238, 0.3256



42.0801, 0.2086, 0.2746

Triad

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



42.0801, 0.2238, 0.3256



42.0801, 0.3003, 0.2508



42.0801, 0.4144, 0.4080

Complementary

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



42.0801, 0.2238, 0.3256



11.6543, 0.6391, 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.



42.0801, 0.4292, 0.3665



42.0801, 0.2238, 0.3256



42.0801, 0.3600, 0.2805

Square

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



42.0801, 0.2238, 0.3256



42.0801, 0.2493, 0.2378



42.0801, 0.4091, 0.3213



42.0801, 0.3722, 0.4335

Rectangle

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



42.0801, 0.2238, 0.3256



42.0801, 0.2119, 0.2522



42.0801, 0.4091, 0.3213



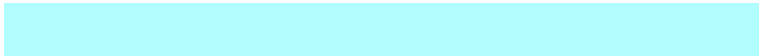
42.0801, 0.4230, 0.3952

Sweetspot

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



42.0817, 0.2238, 0.3256



85.7818, 0.2693, 0.3280



39.0387, 0.3000, 0.5999



18.5065, 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.



42.0817, 0.2238, 0.3256



75.3269, 0.2238, 0.3255



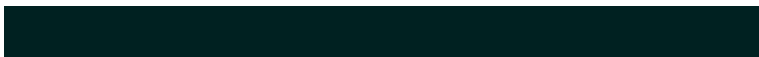
12.6116, 0.1771, 0.1574



11.4100, 0.2984, 0.3287



27.3528, 0.2238, 0.3256



1.1877, 0.2240, 0.3264

Inverse Universe

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



15.4601, 0.3235, 0.1556



27.6715, 0.3236, 0.1556



20.2736, 0.5410, 0.4085



10.2457, 0.3139, 0.3065



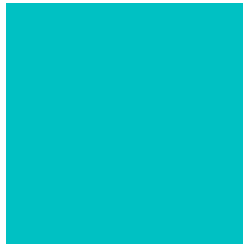
10.0435, 0.3235, 0.1556



0.4345, 0.3229, 0.1552

Previews

White Background



This preview shows how the Yxy color 42.0801, 0.2238, 0.3256 looks on a white background.

Color Contrast Check

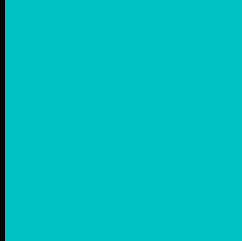
Large Text (above 18pt) WCAG AA × Fail

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 42.0801, 0.2238, 0.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

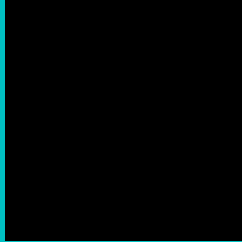
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0801, 0.2238, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 42.0801, 0.2238, 0.3256.



This preview shows how white text looks on a background with the Yxy color 42.0801, 0.2238, 0.3256.

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

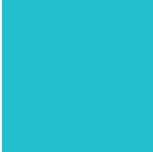
42.0801, 0.2238, 0.3256

Protanopia

41.3875, 0.3054, 0.3141

Deuteranopia

41.4524, 0.2929, 0.2860



Tritanopia

42.0899, 0.2209, 0.3047

Trichromacy



Original Color

42.0801, 0.2238, 0.3256



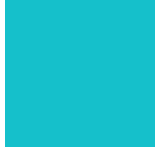
Protanomaly

39.1431, 0.2551, 0.3168



Deuteranomaly

39.0125, 0.2486, 0.2965



Tritanomaly

42.1705, 0.2215, 0.3120

Monochromacy



Original Color

42.0801, 0.2238, 0.3256



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.5745, 0.2540, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0801, 0.2238, 0.3256 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, 193, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 195)  
}
```

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, 193, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 195) }
```

Border

The CSS property to change the border of an element to Yxy 42.0801, 0.2238, 0.3256 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, 193, 195) }
```

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

```
.border{ border-color:rgb(0, 193, 195) }
```

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

Here you see how a box with a 4 pixel rgb(0, 193, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0801, 0.2238, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 195) }
```

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

```
.background{ background-color: rgb(0, 193,  
195) }
```

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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