

Converting Colors

$Yxy(39.4195, 0.1944, 0.3103)$

Have a look what the booklet for
Yxy(39.4195, 0.1944, 0.3103)
contains.

| | |
|--|----|
| Yxy(42.0111, 0.2200, 0.3119) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(42.0111, 0.2200, 0.3119)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00C0CB |
| RGB | 0, 192, 203 |
| RGB Percent | 0%, 75%, 80% |
| CMY | 0.9985, 0.2471, 0.2039 |
| CMYK | 1.00, 0.05, 0.00, 0.20 |
| HSL | 183°, 100%, 40% |
| HSV | 183°, 100%, 80% |
| XYZ | 29.6327, 42.0111, 63.0503 |
| YIQ | 135.8460, -117.9630, -37.2830 |

Conversions

Conversions Part 2

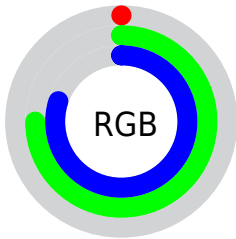
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 99, 203 |
| Decimal | 49355 |
| CIELab | 70.88, -35.44, -16.91 |
| CIELCh | 71, 39.267, 205.509 |
| Yxy | 42.0111, 0.2200, 0.3119 |
| Android (android.graphics.Color) | 4278239435 (0xFF00C0CB) |
| YUV | 135.8460, 33.1069, -119.1369 |
| Hunter-Lab | 64.8160, -31.8209, -12.3037 |

Details

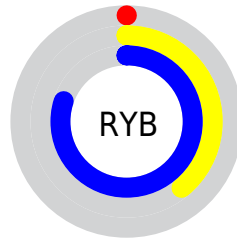
The Yxy color **42.0111, 0.2200, 0.3119** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.9465, 0.6363, 0.3327**, and the grayscale version is **24.5107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9144, 0.2380, 0.3218**, and **20.3469, 0.2184, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **42.0012, 0.2200, 0.3119**, and if you desaturate by 10%, it is **42.6523, 0.2219, 0.3137**.

Distribution



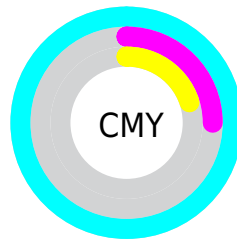
- Red (0%)
- Green (75%)
- Blue (80%)



- Red (0%)
- Yellow (39%)
- Blue (80%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0111, 0.2200, 0.3119 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 42.0111, 0.2200, 0.3119 by changing the saturation by 10% instead.


 42.0111, 0.2200,
0.3119


 42.0111, 0.2200,
0.3119


354.5289, 0.2654,
0.3221

 29.1100, 0.2091,
0.3088


 78.2164, 0.2362,
0.3160


 19.1640, 0.1953,
0.3046


 102.2894, 0.2424,
0.3174


 11.7889, 0.1776,
0.2985


 130.8552, 0.2477,
0.3186

 6.6001, 0.1541,
0.2892

 164.2981, 0.2522,
0.3196

 3.2133, 0.1220,
0.2736

 203.0025, 0.2562,
0.3204

 1.2441, 0.0563,
0.2504

247.3528, 0.2596,

 0.0973, 0.0000,

0.3210

0.0683

297.7335, 0.2627,
0.3216

■ 0.0000, 0.0000,
0.0000

■ 42.0111, 0.2200,
0.3119

■ 42.0111, 0.2200,
0.3119

■ 42.0012, 0.2200,
0.3119

■ 42.6523, 0.2219,
0.3137

■ 43.4572, 0.2253,
0.3155

■ 44.4806, 0.2305,
0.3173

■ 45.7518, 0.2376,
0.3192

■ 47.2953, 0.2466,
0.3210

■ 49.1327, 0.2573,
0.3228

■ 51.2835, 0.2696,
0.3245

■ 53.7654, 0.2832,
0.3261

■ 56.5948, 0.2977,
0.3276

Harmonies

Analogous

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



42.0111, 0.2522, 0.3696



42.0111, 0.2200, 0.3119



42.0111, 0.2110, 0.2667

Triad

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



42.0111, 0.2200, 0.3119



42.0111, 0.3151, 0.2585



42.0111, 0.4037, 0.4144

Complementary

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



42.0111, 0.2200, 0.3119



12.9465, 0.6363, 0.3327

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.



42.0111, 0.4257, 0.3767



42.0111, 0.2200, 0.3119



42.0111, 0.3725, 0.2909

Square

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



42.0111, 0.2200, 0.3119



42.0111, 0.2619, 0.2413



42.0111, 0.4146, 0.3326



42.0111, 0.3579, 0.4326

Rectangle

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



42.0111, 0.2200, 0.3119



42.0111, 0.2181, 0.2485



42.0111, 0.4146, 0.3326



42.0111, 0.4143, 0.4033

Sweetspot

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



42.0126, 0.2200, 0.3119



85.6410, 0.2688, 0.3244



42.7404, 0.2992, 0.5971



17.9901, 0.2634, 0.3237



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.



42.0126, 0.2200, 0.3119



70.2168, 0.2199, 0.3116



11.8927, 0.1725, 0.1407



12.6185, 0.2984, 0.3277



26.7716, 0.2200, 0.3121



1.4137, 0.2210, 0.3156

Inverse Universe

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



16.5112, 0.3351, 0.1620



27.6196, 0.3353, 0.1621



24.2475, 0.5266, 0.4199



11.3928, 0.3146, 0.3074



10.5056, 0.3349, 0.1619



0.5453, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 42.0111, 0.2200, 0.3119 looks on a white background.

Color Contrast Check

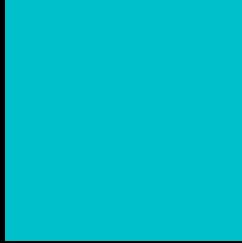
Large Text (above 18pt) WCAG AA × Fail

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 42.0111, 0.2200, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

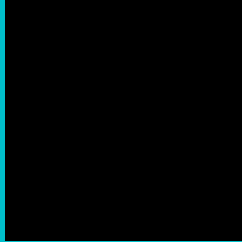
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

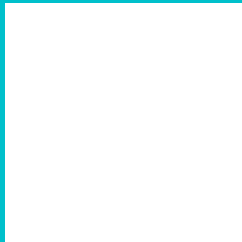
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0111, 0.2200, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 42.0111, 0.2200, 0.3119.

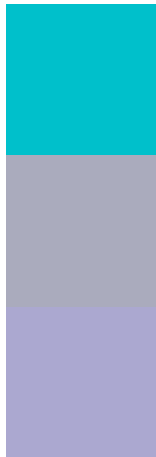


This preview shows how white text looks on a background with the Yxy color 42.0111, 0.2200, 0.3119.

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

42.0111, 0.2200, 0.3119

Protanopia

41.3460, 0.2972, 0.3048

Deuteranopia

41.2173, 0.2835, 0.2770



Tritanopia

41.9153, 0.2193, 0.3046

Trichromacy



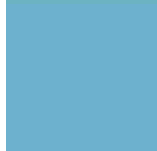
Original Color

42.0111, 0.2200, 0.3119



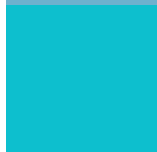
Protanomaly

39.3234, 0.2497, 0.3065



Deuteranomaly

39.1517, 0.2430, 0.2868



Tritanomaly

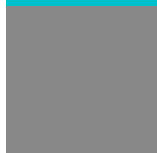
41.8034, 0.2191, 0.3060

Monochromacy



Original Color

42.0111, 0.2200, 0.3119



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.3412, 0.2517, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0111, 0.2200, 0.3119 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, 192, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 203)  
}
```

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, 192, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 203) }
```

Border

The CSS property to change the border of an element to Yxy 42.0111, 0.2200, 0.3119 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, 192, 203) }
```

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

```
.border{ border-color:rgb(0, 192, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0111, 0.2200, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 203) }
```

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

```
.background{ background-color: rgb(0, 192,  
203) }
```

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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