

Converting Colors

$Y_{xy}(42.6084, 0.2263, 0.3321)$

Have a look what the booklet for
Yxy(42.6084, 0.2263, 0.3321)
contains.

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Color

Yxy(42.4605, 0.2262, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	0BC2C0
RGB	11, 194, 192
RGB Percent	4%, 76%, 75%
CMY	0.9588, 0.2392, 0.2471
CMYK	0.95, 0.00, 0.01, 0.24
HSL	179°, 90%, 40%
HSV	179°, 95%, 76%
XYZ	28.9381, 42.4605, 56.5330
YIQ	139.0550, -108.4260, -39.4180

Conversions

Conversions Part 2

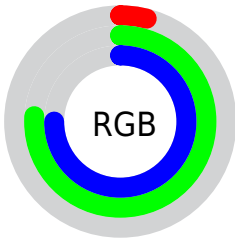
Format	Color
RYB	11, 103, 194
Decimal	770752
CIELab	71.19, -39.44, -10.42
CIELCh	71, 40.794, 194.806
Yxy	42.4605, 0.2262, 0.3319
Android (android.graphics.Color)	4278960832 (0xFF0BC2C0)
YUV	139.0550, 26.1019, -112.3042
Hunter-Lab	65.1617, -34.7617, -5.8256

Details

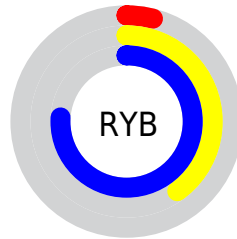
The Yxy color **42.4605, 0.2262, 0.3319** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **11.7271, 0.6300, 0.3293**, and the grayscale version is **25.7132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7749, 0.2416, 0.3323**, and **20.6202, 0.2252, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **42.3891, 0.2256, 0.3321**, and if you desaturate by 10%, it is **42.6784, 0.2281, 0.3316**.

Distribution



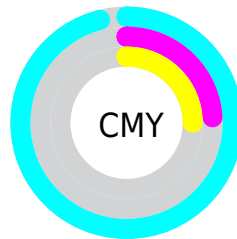
- Red (4%)
- Green (76%)
- Blue (75%)



- Red (4%)
- Yellow (40%)
- Blue (76%)



- Cyan (95%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)




- Cyan (96%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4605, 0.2262, 0.3319 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 42.4605, 0.2262, 0.3319 by changing the saturation by 10% instead.


 42.4605, 0.2262,
0.3319


 42.4605, 0.2262,
0.3319


356.3884, 0.2689,
0.3317


 29.4620, 0.2158,
0.3315


 78.8961, 0.2415,
0.3321


 19.4306, 0.2027,
0.3308


 103.1020, 0.2473,
0.3321


 11.9818, 0.1856,
0.3295


 131.8126, 0.2523,
0.3321

 6.7313, 0.1626,
0.3267

 165.4121, 0.2565,
0.3320

 3.2946, 0.1306,
0.3207

 204.2851, 0.2602,
0.3319

 1.2874, 0.0528,
0.3169

248.8159, 0.2635,

 0.1314, 0.0000,

0.3319

0.1310

299.3888, 0.2663,
0.3318

■ 0.0000, 0.0000,
0.0000

■ 42.4605, 0.2262,
0.3319

■ 42.4605, 0.2262,
0.3319

■ 42.3891, 0.2256,
0.3321

■ 42.6784, 0.2281,
0.3316

■ 43.0741, 0.2317,
0.3312

■ 43.6776, 0.2372,
0.3309

■ 44.5127, 0.2446,
0.3305

■ 45.5999, 0.2538,
0.3302

■ 46.9573, 0.2648,
0.3299

■ 48.6015, 0.2773,
0.3296

■ 50.5476, 0.2910,
0.3293

■ 52.8099, 0.3057,
0.3291

Harmonies

Analogous

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



42.4605, 0.2670, 0.3915



42.4605, 0.2262, 0.3319



42.4605, 0.2083, 0.2787

Triad

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



42.4605, 0.2262, 0.3319



42.4605, 0.2940, 0.2480



42.4605, 0.4183, 0.4046

Complementary

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



42.4605, 0.2262, 0.3319



11.7271, 0.6300, 0.3293

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.



42.4605, 0.4297, 0.3619



42.4605, 0.2262, 0.3319



42.4605, 0.3541, 0.2763

Square

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



42.4605, 0.2262, 0.3319



42.4605, 0.2444, 0.2368



42.4605, 0.4058, 0.3165



42.4605, 0.3781, 0.4328

Rectangle

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



42.4605, 0.2262, 0.3319



42.4605, 0.2099, 0.2545



42.4605, 0.4058, 0.3165



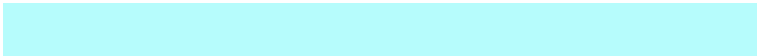
42.4605, 0.4258, 0.3912

Sweetspot

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



42.4621, 0.2262, 0.3319



86.8276, 0.2723, 0.3297



38.7019, 0.3005, 0.5957



18.7329, 0.2669, 0.3298



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.



42.4621, 0.2262, 0.3319



76.7851, 0.2256, 0.3321



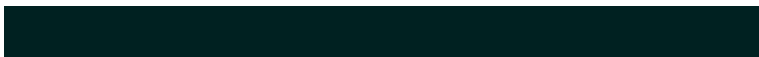
14.1322, 0.1822, 0.1722



11.4265, 0.2986, 0.3292



27.8666, 0.2256, 0.3320



1.2047, 0.2254, 0.3313

Inverse Universe

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



11.7271, 0.6300, 0.3293



20.7857, 0.6393, 0.3295



20.4565, 0.5349, 0.4084



10.0797, 0.3287, 0.3288



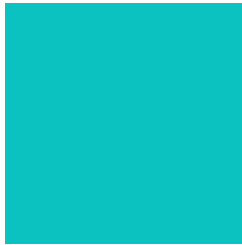
7.5446, 0.6387, 0.3292



0.3266, 0.6335, 0.3264

Previews

White Background



This preview shows how the Yxy color 42.4605, 0.2262, 0.3319 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 42.4605, 0.2262, 0.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

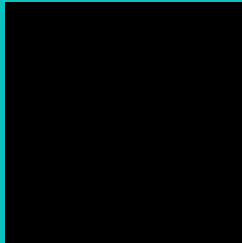
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

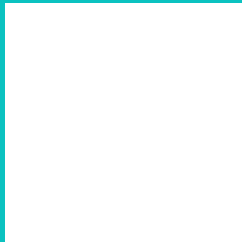
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4605, 0.2262, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 42.4605, 0.2262, 0.3319.

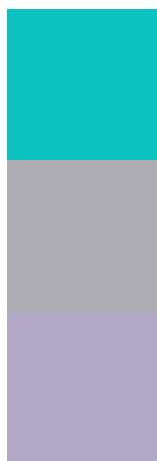


This preview shows how white text looks on a background with the Yxy color 42.4605, 0.2262, 0.3319.

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

42.4605, 0.2262, 0.3319

Protanopia

41.7584, 0.3087, 0.3195

Deuteranopia

41.9181, 0.2970, 0.2913



Tritanopia

42.6163, 0.2221, 0.3062

Trichromacy



Original Color

42.4605, 0.2262, 0.3319



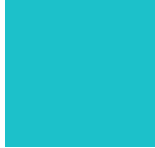
Protanomaly

39.7480, 0.2603, 0.3228



Deuteranomaly

39.6082, 0.2537, 0.3025



Tritanomaly

42.6511, 0.2231, 0.3151

Monochromacy



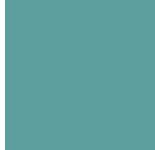
Original Color

42.4605, 0.2262, 0.3319



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.5402, 0.2572, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4605, 0.2262, 0.3319 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(11, 194, 192)` looks like.

```
.text, #text, p{  
    color:rgb(11, 194, 192)  
}
```

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(11, 194, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 194, 192) }
```

Border

The CSS property to change the border of an element to Yxy 42.4605, 0.2262, 0.3319 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(11, 194, 192) }
```

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

```
.border{ border-color:rgb(11, 194, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 194, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 194, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 194, 192);  
box-shadow:4px 4px 4px 4px rgb(11, 194,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4605, 0.2262, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 194, 192) }
```

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

```
.background{ background-color: rgb(11, 194,  
192) }
```

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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