

Converting Colors

$Yxy(40.1878, 0.2222, 0.3023)$

Have a look what the booklet for
Yxy(40.1878, 0.2222, 0.3023)
contains.

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Color

Yxy(39.9910, 0.2219, 0.3013)

Conversions

Conversions Part 1

Format	Color
Hex	2BBACC
RGB	43, 186, 204
RGB Percent	17%, 73%, 80%
CMY	0.8314, 0.2706, 0.2000
CMYK	0.79, 0.09, 0.00, 0.20
HSL	187°, 65%, 48%
HSV	187°, 79%, 80%
XYZ	29.4524, 39.9910, 63.2848
YIQ	145.2950, -91.0060, -24.7180

Conversions

Conversions Part 2

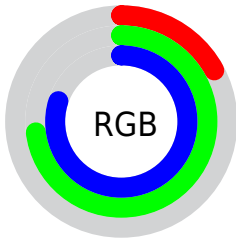
Format	Color
RYB	43, 119, 204
Decimal	2865868
CIELab	69.46, -30.03, -19.56
CIELCh	69, 35.835, 213.077
Yxy	39.9910, 0.2219, 0.3013
Android (android.graphics.Color)	4281055948 (0xFF2BBACC)
YUV	145.2950, 28.9416, -89.7127
Hunter-Lab	63.2384, -27.5335, -15.0666

Details

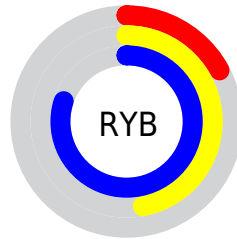
The Yxy color **39.9910, 0.2219, 0.3013** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **16.3452, 0.5701, 0.3451**, and the grayscale version is **28.3493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4373, 0.2401, 0.3135**, and **18.7045, 0.2143, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **38.7039, 0.2177, 0.2974**, and if you desaturate by 10%, it is **41.5165, 0.2280, 0.3052**.

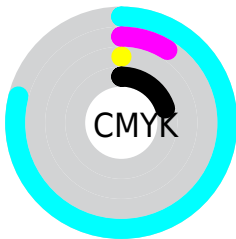
Distribution



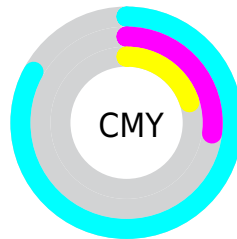
- Red (17%)
- Green (73%)
- Blue (80%)



- Red (17%)
- Yellow (47%)
- Blue (80%)



- Cyan (79%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)





- Cyan (83%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9910, 0.2219, 0.3013 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 39.9910, 0.2219, 0.3013 by changing the saturation by 10% instead.

 39.9910, 0.2219,
0.3013


 39.9910, 0.2219,
0.3013


346.0856, 0.2667,
0.3169

 27.5315, 0.2110,
0.2969


 75.1498, 0.2380,
0.3074


 17.9728, 0.1973,
0.2910


 98.6179, 0.2441,
0.3095


 10.9305, 0.1796,
0.2826


 126.5244, 0.2493,
0.3113

 6.0201, 0.1559,
0.2702

 159.2536, 0.2537,
0.3128

 2.8573, 0.1234,
0.2502

 197.1899, 0.2576,
0.3140

 1.0577, 0.0547,
0.2204

240.7178, 0.2610,

 0.0000, 0.0000,

0.3151

0.0000

290.2216, 0.2640,
0.3161

■ 39.9910, 0.2219,
0.3013

■ 39.9910, 0.2219,
0.3013

■ 38.7039, 0.2177,
0.2974

■ 41.5165, 0.2280,
0.3052

■ 37.6034, 0.2150,
0.2936

■ 43.3052, 0.2360,
0.3091

■ 37.4891, 0.2148,
0.2932

■ 45.3831, 0.2459,
0.3129

■ 47.7719, 0.2574,
0.3166

■ 50.4912, 0.2703,
0.3201

■ 53.5588, 0.2843,
0.3234

■ 56.9913, 0.2991,
0.3265

■ 60.8042, 0.3144,
0.3293

■ 65.0119, 0.3299,
0.3318

Harmonies

Analogous

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



39.9910, 0.2470, 0.3532



39.9910, 0.2219, 0.3013



39.9910, 0.2190, 0.2637

Triad

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



39.9910, 0.2219, 0.3013



39.9910, 0.3289, 0.2696



39.9910, 0.3885, 0.4152

Complementary

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



39.9910, 0.2219, 0.3013



16.3452, 0.5701, 0.3451

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.



39.9910, 0.4153, 0.3839



39.9910, 0.2219, 0.3013



39.9910, 0.3801, 0.3029

Square

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



39.9910, 0.2219, 0.3013



39.9910, 0.2769, 0.2494



39.9910, 0.4128, 0.3433



39.9910, 0.3424, 0.4243

Rectangle

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



39.9910, 0.2219, 0.3013



39.9910, 0.2293, 0.2500



39.9910, 0.4128, 0.3433



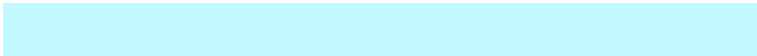
39.9910, 0.4002, 0.4066

Sweetspot

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



39.9925, 0.2219, 0.3013



85.8986, 0.2766, 0.3216



44.0100, 0.2967, 0.5585



18.0033, 0.2716, 0.3204



0.0000, 0.0000, 0.0000



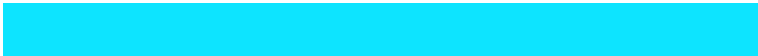
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.9925, 0.2219, 0.3013



62.7580, 0.2157, 0.2946



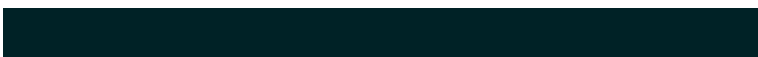
15.4701, 0.1872, 0.1684



12.5047, 0.2983, 0.3263



23.6849, 0.2149, 0.2937



1.2843, 0.2170, 0.3012

Inverse Universe

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



18.1085, 0.3433, 0.1795



27.1397, 0.3501, 0.1716



31.6469, 0.4756, 0.4343



11.3813, 0.3154, 0.3087



10.1940, 0.3510, 0.1707



0.5322, 0.3443, 0.1671

Previews

White Background



This preview shows how the Yxy color 39.9910, 0.2219, 0.3013 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 39.9910, 0.2219, 0.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

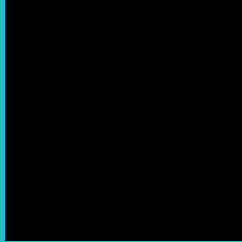
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9910, 0.2219, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 39.9910, 0.2219, 0.3013.

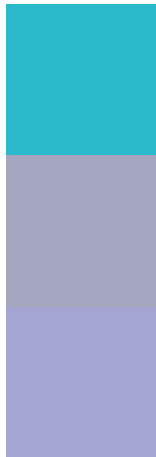


This preview shows how white text looks on a background with the Yxy color 39.9910, 0.2219, 0.3013.

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

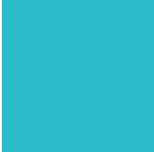
39.9910, 0.2219, 0.3013

Protanopia

39.2915, 0.2904, 0.2962

Deuteranopia

39.4062, 0.2768, 0.2709



Tritanopia

39.8535, 0.2224, 0.3042

Trichromacy



Original Color

39.9910, 0.2219, 0.3013

Protanomaly

38.2507, 0.2547, 0.2966

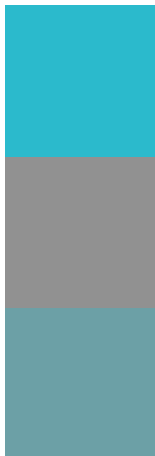
Deuteranomaly

38.3852, 0.2478, 0.2802

Tritanomaly

39.9218, 0.2221, 0.3027

Monochromacy



Original Color

39.9910, 0.2219, 0.3013

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

31.0829, 0.2631, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9910, 0.2219, 0.3013 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(43, 186, 204)` looks like.

```
.text, #text, p{  
    color:rgb(43, 186, 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(43, 186, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 186, 204) }
```

Border

The CSS property to change the border of an element to Yxy 39.9910, 0.2219, 0.3013 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(43, 186, 204) }
```

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

```
.border{ border-color:rgb(43, 186, 204) }
```

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

Here you see how a box with a 4 pixel rgb(43, 186, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 186, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 186, 204);  
box-shadow:4px 4px 4px 4px rgb(43, 186,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9910, 0.2219, 0.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 186, 204) }
```

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

```
.background{ background-color: rgb(43, 186,  
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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