

Converting Colors

$Y_{xy}(32.4610, 0.1097, 0.2995)$

Have a look what the booklet for
Yxy(32.4610, 0.1097, 0.2995)
contains.

Yxy(41.7178, 0.2183, 0.3059) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(41.7178, 0.2183, 0.3059)

Conversions

Conversions Part 1	
Format	Color
Hex	00BFCE
RGB	0, 191, 206
RGB Percent	0%, 75%, 81%
CMY	1.0000, 0.2510, 0.1921
CMYK	1.00, 0.07, 0.00, 0.19
HSL	184°, 100%, 40%
HSV	184°, 100%, 81%
XYZ	29.7712, 41.7178, 64.8883
YIQ	135.6010, -118.6510, -35.8270

Conversions

Conversions Part 2

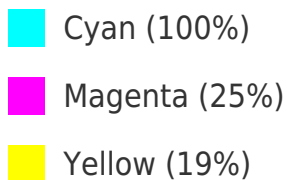
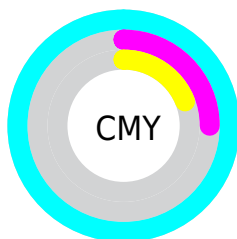
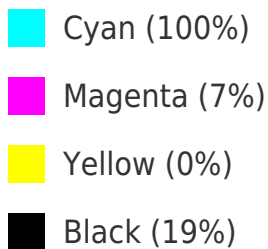
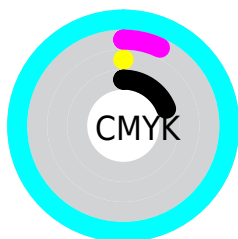
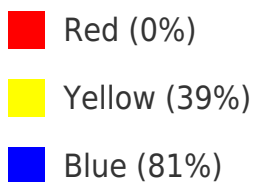
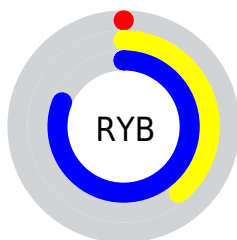
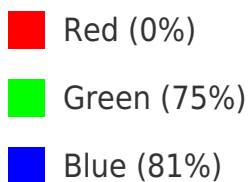
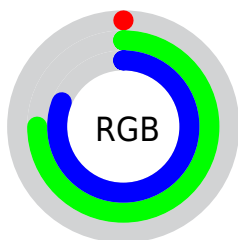
Format	Color
RYB	0, 99, 206
Decimal	49102
CIELab	70.68, -34.04, -18.86
CIELCh	71, 38.916, 208.996
Yxy	41.7178, 0.2183, 0.3059
Android (android.graphics.Color)	4278239182 (0xFF00BFCE)
YUV	135.6010, 34.7067, -118.9221
Hunter-Lab	64.5893, -30.7553, -14.3519

Details

The Yxy color **41.7178, 0.2183, 0.3059** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **13.4669, 0.6353, 0.3338**, and the grayscale version is **24.3667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3581, 0.2380, 0.3206**, and **20.1583, 0.2162, 0.2982** is the 20% darker color. If you saturate the color by 10%, you get **41.7205, 0.2183, 0.3059**, and if you desaturate by 10%, it is **42.5340, 0.2204, 0.3083**.


Distribution





Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7178, 0.2183, 0.3059 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 41.7178, 0.2183, 0.3059 by changing the saturation by 10% instead.

 41.7178, 0.2183,
0.3059


 41.7178, 0.2183,
0.3059


 353.3118, 0.2645,
0.3192


 28.8804, 0.2072,
0.3021


 77.7723, 0.2348,
0.3111


 18.9904, 0.1933,
0.2968


 101.7583, 0.2411,
0.3130


 11.6633, 0.1754,
0.2894


 130.2292, 0.2464,
0.3145

 6.5149, 0.1517,
0.2783

 163.5694, 0.2511,
0.3158

 3.1606, 0.1195,
0.2603

 202.1634, 0.2551,
0.3168

 1.2161, 0.0560,
0.2329

246.3955, 0.2586,


 0.0748, 0.0000,

0.3178

0.0485

296.6502, 0.2617,
0.3185


 0.0000, 0.0000,
0.0000

 41.7178, 0.2183,
0.3059


 41.7178, 0.2183,
0.3059


 41.7205, 0.2183,
0.3059

 42.5340, 0.2204,
0.3083


 43.5196, 0.2239,
0.3108


 44.7338, 0.2293,
0.3133


 46.2068, 0.2366,
0.3158

 47.9642, 0.2458,
0.3182

 50.0286, 0.2567,
0.3206

 52.4201, 0.2691,
0.3229

 55.1571, 0.2828,
0.3251

 58.2567, 0.2974,
0.3271

Harmonies

Analogous

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



41.7178, 0.2478, 0.3627



41.7178, 0.2183, 0.3059



41.7178, 0.2121, 0.2633

Triad

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



41.7178, 0.2183, 0.3059



41.7178, 0.3219, 0.2620



41.7178, 0.3988, 0.4173

Complementary

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



41.7178, 0.2183, 0.3059



13.4669, 0.6353, 0.3338

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.



41.7178, 0.4240, 0.3814



41.7178, 0.2183, 0.3059



41.7178, 0.3782, 0.2956

Square

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



41.7178, 0.2183, 0.3059



41.7178, 0.2676, 0.2429



41.7178, 0.4170, 0.3377



41.7178, 0.3515, 0.4320

Rectangle

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



41.7178, 0.2183, 0.3059



41.7178, 0.2209, 0.2469



41.7178, 0.4170, 0.3377



41.7178, 0.4103, 0.4069

Sweetspot

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



41.7205, 0.2183, 0.3059



84.7579, 0.2687, 0.3228



44.1837, 0.2990, 0.5962



17.7753, 0.2632, 0.3219



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.



41.7205, 0.2183, 0.3059



67.4488, 0.2182, 0.3056



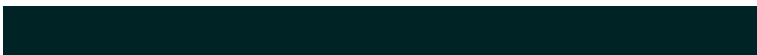
11.6480, 0.1709, 0.1350



12.5816, 0.2984, 0.3272



25.7458, 0.2184, 0.3063



1.3710, 0.2197, 0.3110

Inverse Universe

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



16.8866, 0.3403, 0.1648



27.3401, 0.3405, 0.1649



25.7881, 0.5222, 0.4236



11.3891, 0.3149, 0.3078



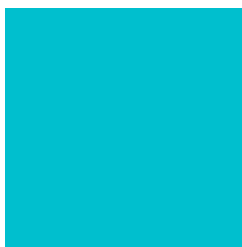
10.4021, 0.3399, 0.1646



0.5409, 0.3358, 0.1624

Previews

White Background



This preview shows how the Yxy color 41.7178, 0.2183, 0.3059 looks on a white background.

Color Contrast Check

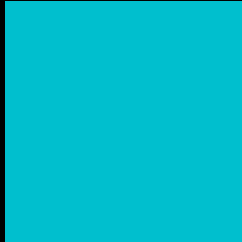
Large Text (above 18pt) WCAG AA × Fail

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 41.7178, 0.2183, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

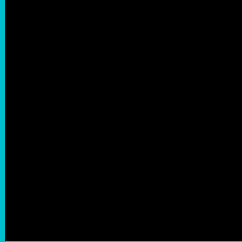
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7178, 0.2183, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 41.7178, 0.2183, 0.3059.



This preview shows how white text looks on a background with the Yxy color 41.7178, 0.2183, 0.3059.

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

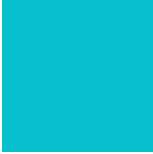
41.7178, 0.2183, 0.3059

Protanopia

40.9902, 0.2940, 0.2994

Deuteranopia

41.0332, 0.2789, 0.2730



Tritanopia

41.7695, 0.2188, 0.3060

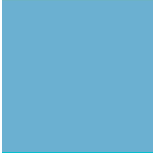
Trichromacy



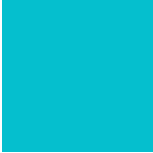
Original Color
41.7178, 0.2183, 0.3059



Protanomaly
39.0602, 0.2477, 0.3007

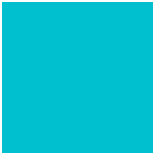


Deuteranomaly
38.7799, 0.2399, 0.2811



Tritanomaly
41.7501, 0.2186, 0.3059

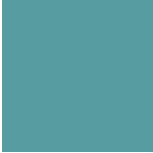
Monochromacy



Original Color
41.7178, 0.2183, 0.3059



Achromatopsia
24.6201, 0.3127, 0.3290



Achromatomaly
28.3764, 0.2510, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7178, 0.2183, 0.3059 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, 191, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 206)  
}
```

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, 191, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 206) }
```

Border

The CSS property to change the border of an element to Yxy 41.7178, 0.2183, 0.3059 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, 191, 206) }
```

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

```
.border{ border-color:rgb(0, 191, 206) }
```

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

Here you see how a box with a 4 pixel rgb(0, 191, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7178, 0.2183, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 206) }
```

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

```
.background{ background-color: rgb(0, 191,  
206) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor