

Converting Colors

$Yxy(42.6934, 0.2187, 0.3074)$

Have a look what the booklet for
Yxy(42.6934, 0.2187, 0.3074)
contains.

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Color

Yxy(42.6449, 0.2188, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	00C1CF
RGB	0, 193, 207
RGB Percent	0%, 76%, 81%
CMY	0.9989, 0.2431, 0.1883
CMYK	1.00, 0.07, 0.00, 0.19
HSL	184°, 100%, 41%
HSV	184°, 100%, 81%
XYZ	30.3339, 42.6449, 65.6587
YIQ	136.8890, -119.5220, -36.5620

Conversions

Conversions Part 2

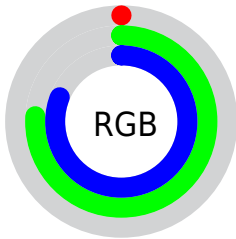
Format	Color
RYB	0, 100, 207
Decimal	49615
CIELab	71.31, -34.66, -18.43
CIELCh	71, 39.255, 208.000
Yxy	42.6449, 0.2188, 0.3076
Android (android.graphics.Color)	4278239695 (0xFF00C1CF)
YUV	136.8890, 34.5647, -120.0517
Hunter-Lab	65.3031, -31.3654, -13.9008

Details

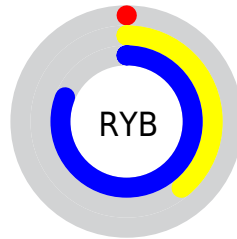
The Yxy color **42.6449, 0.2188, 0.3076** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.5868, 0.6355, 0.3335**, and the grayscale version is **24.9072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5945, 0.2386, 0.3229**, and **20.7651, 0.2168, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **42.6359, 0.2188, 0.3076**, and if you desaturate by 10%, it is **43.4264, 0.2208, 0.3098**.

Distribution



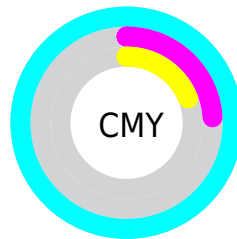
- Red (0%)
- Green (76%)
- Blue (81%)



- Red (0%)
- Yellow (39%)
- Blue (81%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (24%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6449, 0.2188, 0.3076 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 42.6449, 0.2188, 0.3076 by changing the saturation by 10% instead.

 42.6449, 0.2188,
0.3076

 42.6449, 0.2188,
0.3076


357.1494, 0.2646,
0.3200


 29.6066, 0.2078,
0.3040


 79.1747, 0.2351,
0.3125


 19.5402, 0.1941,
0.2991


 103.4350, 0.2414,
0.3142


 12.0612, 0.1764,
0.2922


 132.2048, 0.2467,
0.3156

 6.7854, 0.1531,
0.2817

 165.8684, 0.2513,
0.3168

 3.3283, 0.1215,
0.2648

 204.8103, 0.2552,
0.3178

 1.3054, 0.0629,
0.2383

249.4148, 0.2588,

 0.1454, 0.0000,

0.3186

0.0867

300.0664, 0.2619,
0.3194

■ 0.0000, 0.0000,
0.0000

■ 42.6449, 0.2188,
0.3076

■ 42.6449, 0.2188,
0.3076

■ 42.6359, 0.2188,
0.3076

■ 43.4264, 0.2208,
0.3098

■ 44.3812, 0.2243,
0.3121

■ 45.5665, 0.2297,
0.3144

■ 47.0130, 0.2369,
0.3167

■ 48.7465, 0.2461,
0.3190

■ 50.7897, 0.2570,
0.3212

■ 53.1629, 0.2694,
0.3234

■ 55.8849, 0.2830,
0.3254

■ 58.9728, 0.2976,
0.3273

Harmonies

Analogous

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



42.6449, 0.2491, 0.3646



42.6449, 0.2188, 0.3076



42.6449, 0.2118, 0.2643

Triad

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



42.6449, 0.2188, 0.3076



42.6449, 0.3199, 0.2610



42.6449, 0.4002, 0.4165

Complementary

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



42.6449, 0.2188, 0.3076



13.5868, 0.6355, 0.3335

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.



42.6449, 0.4245, 0.3800



42.6449, 0.2188, 0.3076



42.6449, 0.3766, 0.2942

Square

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



42.6449, 0.2188, 0.3076



42.6449, 0.2660, 0.2425



42.6449, 0.4163, 0.3363



42.6449, 0.3533, 0.4321

Rectangle

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



42.6449, 0.2188, 0.3076



42.6449, 0.2202, 0.2474



42.6449, 0.4163, 0.3363



42.6449, 0.4114, 0.4059

Sweetspot

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



42.6465, 0.2188, 0.3076



85.0044, 0.2687, 0.3233



44.6560, 0.2990, 0.5961



17.8353, 0.2633, 0.3224



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.



42.6465, 0.2188, 0.3076



68.2163, 0.2187, 0.3073



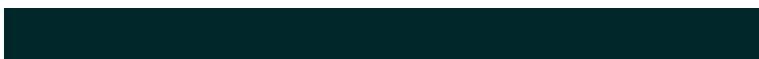
11.7955, 0.1709, 0.1352



13.2643, 0.2983, 0.3274



26.9207, 0.2189, 0.3079



1.5474, 0.2200, 0.3120

Inverse Universe

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



17.1210, 0.3388, 0.1640



27.4176, 0.3390, 0.1641



26.0862, 0.5220, 0.4236



11.9947, 0.3148, 0.3076



10.7889, 0.3385, 0.1639



0.6075, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 42.6449, 0.2188, 0.3076 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 42.6449, 0.2188, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

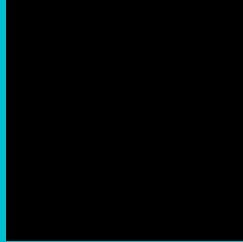
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6449, 0.2188, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 42.6449, 0.2188, 0.3076.



This preview shows how white text looks on a background with the Yxy color 42.6449, 0.2188, 0.3076.

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

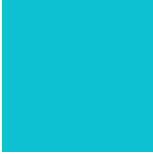
42.6449, 0.2188, 0.3076

Protanopia

42.0132, 0.2950, 0.3010

Deuteranopia

42.1608, 0.2807, 0.2749



Tritanopia

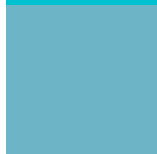
42.7796, 0.2192, 0.3062

Trichromacy



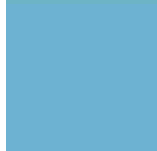
Original Color

42.6449, 0.2188, 0.3076



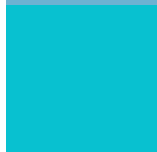
Protanomaly

39.9709, 0.2483, 0.3023



Deuteranomaly

39.7451, 0.2411, 0.2830



Tritanomaly

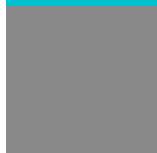
42.7456, 0.2189, 0.3062

Monochromacy



Original Color

42.6449, 0.2188, 0.3076



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.7488, 0.2506, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6449, 0.2188, 0.3076 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 207) }
```

Border

The CSS property to change the border of an element to Yxy 42.6449, 0.2188, 0.3076 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, 207) }
```

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

```
.border{ border-color:rgb(0, 193, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6449, 0.2188, 0.3076 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, 207) }
```

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

```
.background{ background-color: rgb(0, 193,  
207) }
```

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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