

Converting Colors

$Yxy(41.6821, 0.2158, 0.2967)$

Have a look what the booklet for
Yxy(41.6821, 0.2158, 0.2967)
contains.

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Color

Yxy(41.5868, 0.2156, 0.2958)

Conversions

Conversions Part 1

Format	Color
Hex	02BED4
RGB	2, 190, 212
RGB Percent	1%, 75%, 83%
CMY	0.9936, 0.2549, 0.1688
CMYK	0.99, 0.10, 0.00, 0.17
HSL	186°, 98%, 42%
HSV	186°, 99%, 83%
XYZ	30.3114, 41.5868, 68.6927
YIQ	136.2960, -119.1100, -33.0140

Conversions

Conversions Part 2

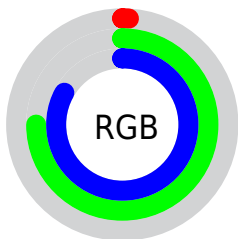
Format	Color
R_{YB}	2, 101, 212
Decimal	179924
CIE Lab	70.59, -31.61, -22.25
CIE LCh	71, 38.651, 215.143
Yxy	41.5868, 0.2156, 0.2958
Android (android.graphics.Color)	4278370004 (0xFF02BED4)
YUV	136.2960, 37.3221, -117.7776
Hunter-Lab	64.4878, -28.9528, -18.0145

Details

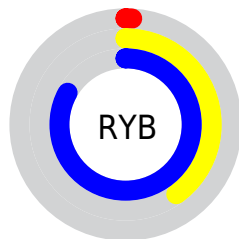
The Yxy color **41.5868, 0.2156, 0.2958** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **14.6325, 0.6311, 0.3362**, and the grayscale version is **24.5833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8057, 0.2381, 0.3194**, and **20.0426, 0.2130, 0.2867** is the 20% darker color. If you saturate the color by 10%, you get **41.5037, 0.2154, 0.2955**, and if you desaturate by 10%, it is **42.7242, 0.2181, 0.2994**.

Distribution



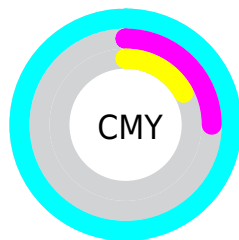
- Red (1%)
- Green (75%)
- Blue (83%)



- Red (1%)
- Yellow (40%)
- Blue (83%)



- Cyan (99%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)



- Cyan (99%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5868, 0.2156, 0.2958 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 41.5868, 0.2156, 0.2958 by changing the saturation by 10% instead.


 41.5868, 0.2156,
0.2958

 41.5868, 0.2156,
0.2958

352.7672, 0.2630,
0.3142


 28.7779, 0.2043,
0.2907


 77.5739, 0.2325,
0.3029

 18.9129, 0.1902,
0.2839


 101.5208, 0.2389,
0.3054


 11.6073, 0.1720,
0.2745


 129.9493, 0.2444,
0.3075

 6.4769, 0.1482,
0.2607

 163.2435, 0.2491,
0.3093

 3.1372, 0.1162,
0.2392

 201.7881, 0.2533,
0.3108

 1.2038, 0.0586,
0.2061

245.9673, 0.2569,

 0.0648, 0.0000,

0.3121

0.0349

296.1655, 0.2601,
0.3132

■ 0.0000, 0.0000,
0.0000

■ 41.5868, 0.2156,
0.2958

■ 41.5868, 0.2156,
0.2958

■ 41.5037, 0.2154,
0.2955

■ 42.7242, 0.2181,
0.2994

■ 44.0611, 0.2221,
0.3030

■ 45.6522, 0.2281,
0.3066

■ 47.5296, 0.2359,
0.3102

■ 49.7206, 0.2456,
0.3138

■ 52.2491, 0.2570,
0.3172

■ 55.1366, 0.2698,
0.3205

■ 58.4028, 0.2838,
0.3237

■ 62.0660, 0.2986,
0.3265

Harmonies

Analogous

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



41.5868, 0.2404, 0.3506



41.5868, 0.2156, 0.2958



41.5868, 0.2142, 0.2576

Triad

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



41.5868, 0.2156, 0.2958



41.5868, 0.3337, 0.2682



41.5868, 0.3901, 0.4221

Complementary

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



41.5868, 0.2156, 0.2958



14.6325, 0.6311, 0.3362

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.



41.5868, 0.4206, 0.3895



41.5868, 0.2156, 0.2958



41.5868, 0.3877, 0.3039

Square

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



41.5868, 0.2156, 0.2958



41.5868, 0.2780, 0.2458



41.5868, 0.4206, 0.3467



41.5868, 0.3401, 0.4303

Rectangle

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



41.5868, 0.2156, 0.2958



41.5868, 0.2261, 0.2443



41.5868, 0.4206, 0.3467



41.5868, 0.4031, 0.4131

Sweetspot

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



41.5883, 0.2156, 0.2958



83.2720, 0.2684, 0.3202



47.1405, 0.2982, 0.5930



17.4145, 0.2628, 0.3188



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.



41.5883, 0.2156, 0.2958



62.9092, 0.2153, 0.2952



11.3810, 0.1685, 0.1261



13.8759, 0.2983, 0.3265



25.7191, 0.2156, 0.2960



1.6164, 0.2173, 0.3022

Inverse Universe

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



17.7450, 0.3491, 0.1699



26.8819, 0.3497, 0.1700



29.3905, 0.5116, 0.4314



12.6093, 0.3154, 0.3084



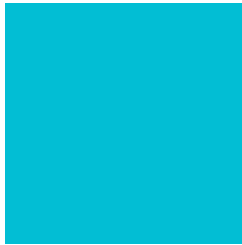
10.9412, 0.3489, 0.1696



0.6665, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 41.5868, 0.2156, 0.2958 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 41.5868, 0.2156, 0.2958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

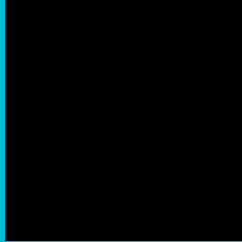
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5868, 0.2156, 0.2958

Background



This preview shows how black text looks on a background with the Yxy color 41.5868, 0.2156, 0.2958.



This preview shows how white text looks on a background with the Yxy color 41.5868, 0.2156, 0.2958.

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

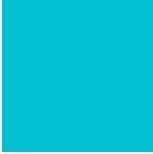
41.5933, 0.2156, 0.2958

Protanopia

40.9337, 0.2869, 0.2915

Deuteranopia

40.9075, 0.2715, 0.2655



Tritanopia

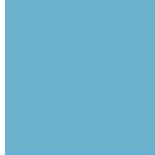
41.7178, 0.2183, 0.3059

Trichromacy



Original Color

41.5933, 0.2156, 0.2958



Protanomaly

38.8202, 0.2429, 0.2907



Deuteranomaly

38.9602, 0.2357, 0.2732



Tritanomaly

41.8221, 0.2176, 0.3030

Monochromacy



Original Color

41.5933, 0.2156, 0.2958



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.4835, 0.2490, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5868, 0.2156, 0.2958 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(2, 190, 212)` looks like.

```
.text, #text, p{  
    color:rgb(2, 190, 212)  
}
```

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(2, 190, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 190, 212) }
```

Border

The CSS property to change the border of an element to Yxy 41.5868, 0.2156, 0.2958 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(2, 190, 212) }
```

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

```
.border{ border-color:rgb(2, 190, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 190, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 190, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 190, 212);  
box-shadow:4px 4px 4px 4px rgb(2, 190,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5868, 0.2156, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 190, 212) }
```

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

```
.background{ background-color: rgb(2, 190,  
212) }
```

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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