

Converting Colors

$Y_{xy}(36.3402, 0.1728, 0.2884)$

Have a look what the booklet for
Yxy(36.3402, 0.1728, 0.2884)
contains.

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Color

$\text{Yxy}(40.2941, 0.2142, 0.2910)$

Conversions

Conversions Part 1

Format	Color
Hex	00BBD4
RGB	0, 187, 212
RGB Percent	0%, 73%, 83%
CMY	0.9981, 0.2667, 0.1686
CMYK	1.00, 0.12, 0.00, 0.17
HSL	187°, 100%, 42%
HSV	187°, 100%, 83%
XYZ	29.6598, 40.2941, 68.5138
YIQ	133.9370, -119.4770, -31.8690

Conversions

Conversions Part 2

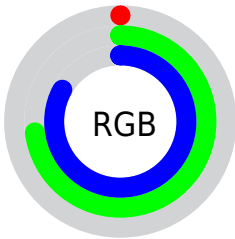
Format	Color
R _{YB}	0, 99, 212
Decimal	48084
CIE _{Lab}	69.68, -30.16, -23.66
CIE _{LCh}	70, 38.337, 218.113
Y _{xy}	40.2941, 0.2142, 0.2910
Android (android.graphics.Color)	4278238164 (0xFF00BBD4)
YUV	133.9370, 38.4851, -117.4627
Hunter-Lab	63.4776, -27.6821, -19.5596

Details

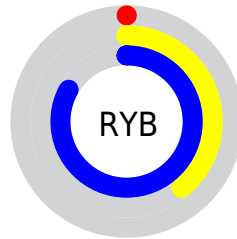
The Yxy color **40.2941, 0.2142, 0.2910** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **14.7178, 0.6306, 0.3373**, and the grayscale version is **23.7590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9246, 0.2370, 0.3158**, and **19.2094, 0.2112, 0.2803** is the 20% darker color. If you saturate the color by 10%, you get **40.2687, 0.2142, 0.2909**, and if you desaturate by 10%, it is **41.5329, 0.2168, 0.2951**.

Distribution



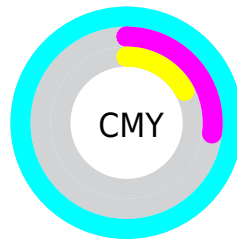
- Red (0%)
- Green (73%)
- Blue (83%)



- Red (0%)
- Yellow (39%)
- Blue (83%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (17%)




- Cyan (100%)
- Magenta (27%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2941, 0.2142, 0.2910 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 40.2941, 0.2142, 0.2910 by changing the saturation by 10% instead.


 40.2941, 0.2142,
0.2910


 40.2941, 0.2142,
0.2910


347.3616, 0.2624,
0.3119


 27.7679, 0.2027,
0.2853


 75.6111, 0.2314,
0.2990


 18.1508, 0.1882,
0.2776


 99.1708, 0.2380,
0.3019

 11.0583, 0.1697,
0.2671


 127.1771, 0.2436,
0.3043

 6.1061, 0.1453,
0.2518

 160.0144, 0.2484,
0.3063

 2.9097, 0.1126,
0.2281

 198.0671, 0.2526,
0.3080

 1.0848, 0.0501,
0.1925

241.7196, 0.2563,

 0.0000, 0.0000,

0.3095

0.0000

291.3563, 0.2595,
0.3108

■ 40.2941, 0.2142,
0.2910

■ 40.2941, 0.2142,
0.2910

■ 40.2687, 0.2142,
0.2909

■ 41.5329, 0.2168,
0.2951

■ 42.9692, 0.2209,
0.2992

■ 44.6619, 0.2269,
0.3033

■ 46.6436, 0.2349,
0.3075

■ 48.9418, 0.2447,
0.3115

■ 51.5806, 0.2561,
0.3155

■ 54.5817, 0.2689,
0.3192

■ 57.9650, 0.2829,
0.3228

■ 61.7487, 0.2977,
0.3261

Harmonies

Analogous

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



40.2941, 0.2368, 0.3449



40.2941, 0.2142, 0.2910



40.2941, 0.2152, 0.2548

Triad

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



40.2941, 0.2142, 0.2910



40.2941, 0.3395, 0.2711



40.2941, 0.3859, 0.4244

Complementary

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



40.2941, 0.2142, 0.2910



14.7178, 0.6306, 0.3373

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.



40.2941, 0.4191, 0.3935



40.2941, 0.2142, 0.2910



40.2941, 0.3924, 0.3079

Square

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



40.2941, 0.2142, 0.2910



40.2941, 0.2830, 0.2471



40.2941, 0.4224, 0.3511



40.2941, 0.3347, 0.4296

Rectangle

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



40.2941, 0.2142, 0.2910



40.2941, 0.2286, 0.2430



40.2941, 0.4224, 0.3511



40.2941, 0.3997, 0.4162

Sweetspot

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



40.2955, 0.2142, 0.2910



82.6254, 0.2682, 0.3190



47.1707, 0.2978, 0.5920



17.2576, 0.2626, 0.3175



0.0000, 0.0000, 0.0000



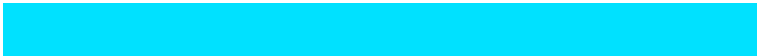
21.4041, 0.3127, 0.3290

Same Dimension

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



40.2955, 0.2142, 0.2910



60.9805, 0.2140, 0.2905



10.7270, 0.1668, 0.1203



13.8453, 0.2983, 0.3262



24.9516, 0.2143, 0.2915



1.5774, 0.2163, 0.2985

Inverse Universe

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



17.5979, 0.3534, 0.1721



26.6872, 0.3539, 0.1723



30.2141, 0.5077, 0.4349



12.6062, 0.3156, 0.3087



10.8637, 0.3530, 0.1718



0.6626, 0.3467, 0.1684

Previews

White Background



This preview shows how the Yxy color 40.2941, 0.2142, 0.2910 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 40.2941, 0.2142, 0.2910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

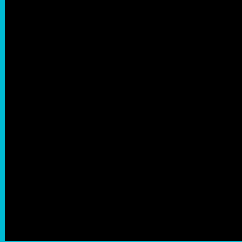
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

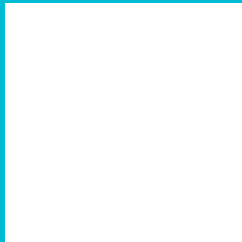
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2941, 0.2142, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 40.2941, 0.2142, 0.2910.



This preview shows how white text looks on a background with the Yxy color 40.2941, 0.2142, 0.2910.

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

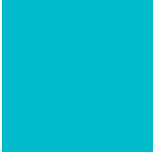
40.2941, 0.2142, 0.2910

Protanopia

39.9153, 0.2836, 0.2872

Deuteranopia

39.7558, 0.2682, 0.2623



Tritanopia

40.2782, 0.2182, 0.3056

Trichromacy



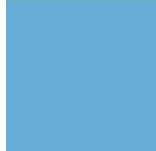
Original Color

40.2941, 0.2142, 0.2910



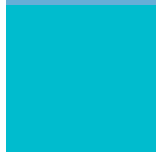
Protanomaly

37.9626, 0.2407, 0.2861



Deuteranomaly

38.0032, 0.2336, 0.2700



Tritanomaly

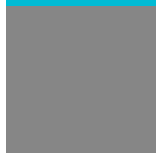
40.4227, 0.2170, 0.3012

Monochromacy



Original Color

40.2941, 0.2142, 0.2910



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.3224, 0.2481, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2941, 0.2142, 0.2910 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, 187, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 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(0, 187, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 212) }
```

Border

The CSS property to change the border of an element to Yxy 40.2941, 0.2142, 0.2910 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, 187, 212) }
```

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

```
.border{ border-color:rgb(0, 187, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2941, 0.2142, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 212) }
```

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

```
.background{ background-color: rgb(0, 187,  
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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