

Converting Colors

$Yxy(38.2180, 0.1776, 0.2888)$

Have a look what the booklet for
Yxy(38.2180, 0.1776, 0.2888)
contains.

Yxy(42.1679, 0.2148, 0.2931)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.1679, 0.2148, 0.2931)

Conversions

Conversions Part 1

Format	Color
Hex	01BFD7
RGB	1, 191, 215
RGB Percent	0%, 75%, 84%
CMY	0.9969, 0.2510, 0.1569
CMYK	1.00, 0.11, 0.00, 0.16
HSL	187°, 99%, 42%
HSV	187°, 100%, 84%
XYZ	30.9030, 42.1679, 70.7978
YIQ	136.9260, -120.9440, -32.8160

Conversions

Conversions Part 2

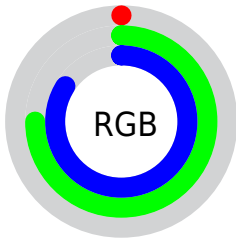
Format	Color
RYB	1, 102, 215
Decimal	114647
CIELab	70.99, -31.13, -23.29
CIELCh	71, 38.876, 216.805
Yxy	42.1679, 0.2148, 0.2931
Android (android.graphics.Color)	4278304727 (0xFF01BFD7)
YUV	136.9260, 38.4905, -119.2071
Hunter-Lab	64.9368, -28.6925, -19.1855

Details

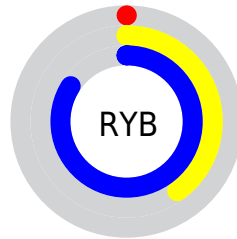
The Yxy color **42.1679, 0.2148, 0.2931** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **15.1349, 0.6311, 0.3367**, and the grayscale version is **24.8459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4190, 0.2384, 0.3206**, and **20.4294, 0.2120, 0.2833** is the 20% darker color. If you saturate the color by 10%, you get **42.1258, 0.2147, 0.2930**, and if you desaturate by 10%, it is **43.3977, 0.2173, 0.2969**.

Distribution



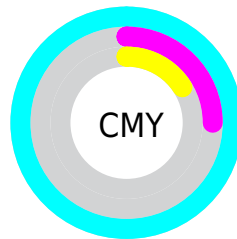
- Red (0%)
- Green (75%)
- Blue (84%)



- Red (0%)
- Yellow (40%)
- Blue (84%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1679, 0.2148, 0.2931 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 42.1679, 0.2148, 0.2931 by changing the saturation by 10% instead.

 42.1679, 0.2148,
0.2931


 42.1679, 0.2148,
0.2931


355.1785, 0.2624,
0.3128


 29.2328, 0.2035,
0.2877


 78.4537, 0.2317,
0.3006


 19.2570, 0.1894,
0.2806


 102.5731, 0.2382,
0.3034

 11.8561, 0.1713,
0.2707

 131.1895, 0.2437,
0.3056

 6.6458, 0.1477,
0.2564

 164.6871, 0.2485,
0.3075

 3.2416, 0.1161,
0.2344

 203.4504, 0.2526,
0.3092

 1.2591, 0.0630,
0.2003

247.8638, 0.2563,

 0.1092, 0.0000,

0.3106

0.0523

298.3117, 0.2595,
0.3118

■ 0.0000, 0.0000,
0.0000

■ 42.1679, 0.2148,
0.2931

■ 42.1679, 0.2148,
0.2931

■ 42.1258, 0.2147,
0.2930

■ 43.3977, 0.2173,
0.2969

■ 44.8315, 0.2214,
0.3008

■ 46.5287, 0.2273,
0.3048

■ 48.5230, 0.2352,
0.3087

■ 50.8426, 0.2449,
0.3125

■ 53.5126, 0.2563,
0.3162

■ 56.5553, 0.2692,
0.3198

■ 59.9912, 0.2831,
0.3231

■ 63.8393, 0.2979,
0.3262

Harmonies

Analogous

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



42.1679, 0.2384, 0.3474



42.1679, 0.2148, 0.2931



42.1679, 0.2147, 0.2560

Triad

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



42.1679, 0.2148, 0.2931



42.1679, 0.3370, 0.2698



42.1679, 0.3878, 0.4234

Complementary

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



42.1679, 0.2148, 0.2931



15.1349, 0.6311, 0.3367

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.



42.1679, 0.4198, 0.3917



42.1679, 0.2148, 0.2931



42.1679, 0.3904, 0.3061

Square

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



42.1679, 0.2148, 0.2931



42.1679, 0.2808, 0.2465



42.1679, 0.4216, 0.3492



42.1679, 0.3371, 0.4299

Rectangle

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



42.1679, 0.2148, 0.2931



42.1679, 0.2275, 0.2435



42.1679, 0.4216, 0.3492



42.1679, 0.4012, 0.4149

Sweetspot

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



42.1694, 0.2148, 0.2931



82.9159, 0.2683, 0.3196



48.6633, 0.2983, 0.5935



17.3280, 0.2627, 0.3181



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.



42.1694, 0.2148, 0.2931



61.8434, 0.2146, 0.2926



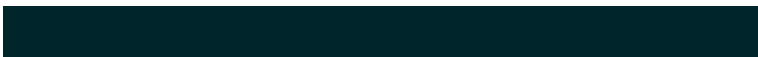
11.6425, 0.1682, 0.1252



13.8591, 0.2983, 0.3263



25.2950, 0.2149, 0.2935



1.5949, 0.2167, 0.3002

Inverse Universe

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



18.2250, 0.3515, 0.1711



26.7743, 0.3520, 0.1713



30.2318, 0.5123, 0.4312



12.6076, 0.3155, 0.3086



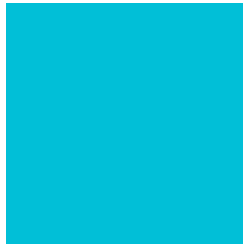
10.8984, 0.3512, 0.1708



0.6643, 0.3452, 0.1676

Previews

White Background



This preview shows how the Yxy color 42.1679, 0.2148, 0.2931 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 42.1679, 0.2148, 0.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

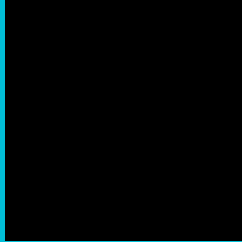
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1679, 0.2148, 0.2931

Background



This preview shows how black text looks on a background with the Yxy color 42.1679, 0.2148, 0.2931.



This preview shows how white text looks on a background with the Yxy color 42.1679, 0.2148, 0.2931.

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

42.1744, 0.2148, 0.2931

Protanopia

41.5584, 0.2856, 0.2892

Deuteranopia

41.4358, 0.2696, 0.2634



Tritanopia

42.2043, 0.2184, 0.3060

Trichromacy



Original Color

42.1744, 0.2148, 0.2931



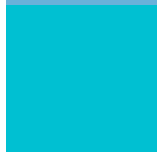
Protanomaly

39.4228, 0.2421, 0.2882



Deuteranomaly

39.5095, 0.2345, 0.2709



Tritanomaly

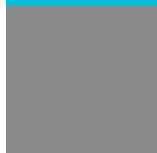
42.3524, 0.2171, 0.3017

Monochromacy



Original Color

42.1744, 0.2148, 0.2931



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.8568, 0.2487, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1679, 0.2148, 0.2931 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(1, 191, 215)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 215)  
}
```

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(1, 191, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 215) }
```

Border

The CSS property to change the border of an element to Yxy 42.1679, 0.2148, 0.2931 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(1, 191, 215) }
```

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

```
.border{ border-color:rgb(1, 191, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 215);  
box-shadow:4px 4px 4px 4px rgb(1, 191,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1679, 0.2148, 0.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 215) }
```

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

```
.background{ background-color: rgb(1, 191,  
215) }
```

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