

Converting Colors

$Y_{xy}(41.9392, 0.2218, 0.3185)$

Have a look what the booklet for
Yxy(41.9392, 0.2218, 0.3185)
contains.

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Color

Yxy(41.8228, 0.2217, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	01C0C7
RGB	1, 192, 199
RGB Percent	0%, 75%, 78%
CMY	0.9964, 0.2471, 0.2196
CMYK	1.00, 0.04, 0.00, 0.22
HSL	182°, 99%, 39%
HSV	182°, 100%, 78%
XYZ	29.1668, 41.8228, 60.5700
YIQ	135.6890, -116.0830, -38.3150

Conversions

Conversions Part 2

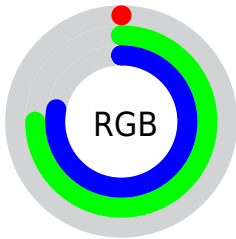
Format	Color
RYB	1, 98, 199
Decimal	114887
CIELab	70.75, -36.67, -14.92
CIElCh	71, 39.585, 202.142
Yxy	41.8228, 0.2217, 0.3179
Android (android.graphics.Color)	4278304967 (0xFF01C0C7)
YUV	135.6890, 31.2123, -118.1223
Hunter-Lab	64.6705, -32.6690, -10.2613

Details

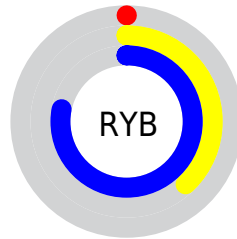
The Yxy color **41.8228, 0.2217, 0.3179** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.3167, 0.6370, 0.3318**, and the grayscale version is **24.3990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9144, 0.2380, 0.3218**, and **20.2213, 0.2206, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **41.8043, 0.2216, 0.3179**, and if you desaturate by 10%, it is **42.2860, 0.2235, 0.3190**.

Distribution



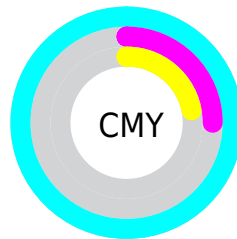
- Red (0%)
- Green (75%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8228, 0.2217, 0.3179 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 41.8228, 0.2217, 0.3179 by changing the saturation by 10% instead.


 41.8228, 0.2217,
0.3179


 41.8228, 0.2217,
0.3179


353.7478, 0.2665,
0.3251

 28.9626, 0.2109,
0.3156


 77.9314, 0.2377,
0.3209


 19.0525, 0.1973,
0.3124


 101.9485, 0.2438,
0.3219


 11.7082, 0.1796,
0.3076


 130.4534, 0.2490,
0.3227

 6.5453, 0.1561,
0.3001

 163.8304, 0.2535,
0.3233

 3.1794, 0.1238,
0.2870

 202.4640, 0.2573,
0.3239

 1.2261, 0.0518,
0.2691

246.7385, 0.2608,

 0.0829, 0.0000,

0.3243

0.0676

297.0383, 0.2638,
0.3247

■ 0.0000, 0.0000,
0.0000

■ 41.8228, 0.2217,
0.3179

■ 41.8228, 0.2217,
0.3179

■ 41.8043, 0.2216,
0.3179

■ 42.2860, 0.2235,
0.3190

■ 42.9058, 0.2267,
0.3202

■ 43.7333, 0.2317,
0.3214

■ 44.7959, 0.2386,
0.3226

■ 46.1171, 0.2474,
0.3238

■ 47.7173, 0.2580,
0.3249

■ 49.6149, 0.2702,
0.3261

■ 51.8268, 0.2836,
0.3271

■ 54.3686, 0.2982,
0.3281

Harmonies

Analogous

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



41.8228, 0.2566, 0.3764



41.8228, 0.2217, 0.3179



41.8228, 0.2099, 0.2702

Triad

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



41.8228, 0.2217, 0.3179



41.8228, 0.3085, 0.2551



41.8228, 0.4084, 0.4116

Complementary

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



41.8228, 0.2217, 0.3179



12.3167, 0.6370, 0.3318

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.



41.8228, 0.4273, 0.3722



41.8228, 0.2217, 0.3179



41.8228, 0.3670, 0.2863

Square

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



41.8228, 0.2217, 0.3179



41.8228, 0.2563, 0.2398



41.8228, 0.4122, 0.3276



41.8228, 0.3642, 0.4330

Rectangle

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



41.8228, 0.2217, 0.3179



41.8228, 0.2154, 0.2502



41.8228, 0.4122, 0.3276



41.8228, 0.4181, 0.3997

Sweetspot

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



41.8243, 0.2217, 0.3179



86.5480, 0.2690, 0.3260



40.8712, 0.2995, 0.5978



18.2110, 0.2637, 0.3255



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.



41.8243, 0.2217, 0.3179



73.1135, 0.2216, 0.3177



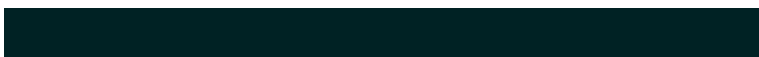
12.0205, 0.1742, 0.1468



12.0006, 0.2984, 0.3281



26.9082, 0.2217, 0.3180



1.2947, 0.2223, 0.3204

Inverse Universe

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



15.9678, 0.3300, 0.1593



27.9120, 0.3301, 0.1592



22.5685, 0.5308, 0.4164



10.8099, 0.3143, 0.3070



10.2564, 0.3299, 0.1591



0.4877, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 41.8228, 0.2217, 0.3179 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 41.8228, 0.2217, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

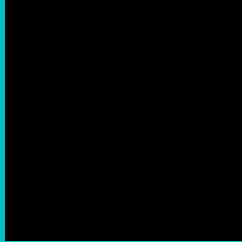
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

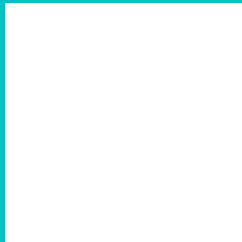
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8228, 0.2217, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 41.8228, 0.2217, 0.3179.



This preview shows how white text looks on a background with the Yxy color 41.8228, 0.2217, 0.3179.

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

41.8292, 0.2217, 0.3179

Protanopia

41.3289, 0.3005, 0.3087

Deuteranopia

41.2491, 0.2881, 0.2820



Tritanopia

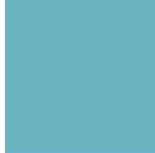
41.9508, 0.2205, 0.3061

Trichromacy



Original Color

41.8292, 0.2217, 0.3179



Protanomaly

39.2530, 0.2521, 0.3109



Deuteranomaly

39.0235, 0.2458, 0.2923



Tritanomaly

41.7020, 0.2208, 0.3104

Monochromacy



Original Color

41.8292, 0.2217, 0.3179



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.3064, 0.2524, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8228, 0.2217, 0.3179 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, 192, 199)` looks like.

```
.text, #text, p{  
    color:rgb(1, 192, 199)  
}
```

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, 192, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 192, 199) }
```

Border

The CSS property to change the border of an element to Yxy 41.8228, 0.2217, 0.3179 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, 192, 199) }
```

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

```
.border{ border-color:rgb(1, 192, 199) }
```

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

Here you see how a box with a 4 pixel rgb(1, 192, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 192, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 192, 199);  
box-shadow:4px 4px 4px 4px rgb(1, 192,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8228, 0.2217, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 192, 199) }
```

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

```
.background{ background-color: rgb(1, 192,  
199) }
```

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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