

Converting Colors

$Y_{xy}(42.1801, 0.2251, 0.3180)$

Have a look what the booklet for
Yxy(42.1801, 0.2251, 0.3180)
contains.

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Color

Yxy(42.1801, 0.2251, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	23C0C7
RGB	35, 192, 199
RGB Percent	14%, 75%, 78%
CMY	0.8618, 0.2471, 0.2196
CMYK	0.82, 0.04, 0.00, 0.22
HSL	183°, 70%, 46%
HSV	183°, 82%, 78%
XYZ	29.8577, 42.1801, 60.6040
YIQ	145.8550, -95.8190, -31.1070

Conversions

Conversions Part 2

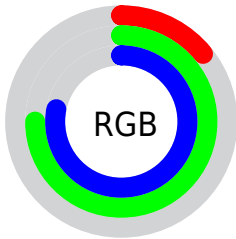
Format	Color
RYB	35, 115, 199
Decimal	2343111
CIELab	70.99, -35.08, -14.53
CIElCh	71, 37.973, 202.490
Yxy	42.1801, 0.2251, 0.3180
Android (android.graphics.Color)	4280533191 (0xFF23C0C7)
YUV	145.8550, 26.2005, -97.2198
Hunter-Lab	64.9462, -31.5942, -9.8637

Details

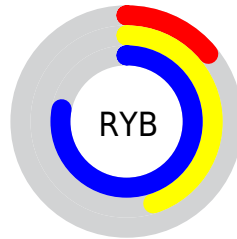
The Yxy color **42.1801, 0.2251, 0.3180** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **13.9396, 0.5932, 0.3348**, and the grayscale version is **28.6313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4821, 0.2408, 0.3218**, and **20.2213, 0.2206, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **41.5514, 0.2223, 0.3166**, and if you desaturate by 10%, it is **43.0116, 0.2297, 0.3194**.

Distribution



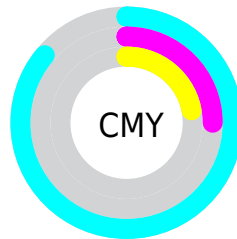
- Red (14%)
- Green (75%)
- Blue (78%)



- Red (14%)
- Yellow (45%)
- Blue (78%)



- Cyan (82%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)





- Cyan (86%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1801, 0.2251, 0.3180 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 42.1801, 0.2251, 0.3180 by changing the saturation by 10% instead.


 42.1801, 0.2251,
0.3180

 42.1801, 0.2251,
0.3180

355.2290, 0.2682,
0.3250


 29.2423, 0.2147,
0.3158


 78.4721, 0.2405,
0.3209


 19.2642, 0.2015,
0.3127


 102.5952, 0.2464,
0.3219

 11.8614, 0.1845,
0.3081


 131.2155, 0.2514,
0.3226

 6.6493, 0.1617,
0.3009

 164.7174, 0.2557,
0.3233

 3.2438, 0.1301,
0.2885

 203.4853, 0.2594,
0.3238

 1.2603, 0.0645,
0.2704

247.9036, 0.2627,


 0.1101, 0.0000,


0.3243


0.0877


298.3567, 0.2656,
0.3247


 0.0000, 0.0000,
0.0000

 42.1801, 0.2251,
0.3180


 42.1801, 0.2251,
0.3180


 41.5514, 0.2223,
0.3166

 43.0116, 0.2297,
0.3194

 41.1609, 0.2210,
0.3155

 44.0704, 0.2362,
0.3209

 45.3824, 0.2446,
0.3223

 46.9686, 0.2548,
0.3237

 48.8481, 0.2666,
0.3251

■ 51.0380, 0.2798,
0.3264

■ 53.5544, 0.2941,
0.3276

■ 56.4119, 0.3092,
0.3288

■ 59.6246, 0.3248,
0.3298

Harmonies

Analogous

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



42.1801, 0.2586, 0.3737



42.1801, 0.2251, 0.3180



42.1801, 0.2139, 0.2724

Triad

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



42.1801, 0.2251, 0.3180



42.1801, 0.3095, 0.2582



42.1801, 0.4042, 0.4088

Complementary

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



42.1801, 0.2251, 0.3180



13.9396, 0.5932, 0.3348

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.



42.1801, 0.4223, 0.3713



42.1801, 0.2251, 0.3180



42.1801, 0.3653, 0.2884

Square

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



42.1801, 0.2251, 0.3180



42.1801, 0.2591, 0.2433



42.1801, 0.4082, 0.3284



42.1801, 0.3617, 0.4285

Rectangle

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



42.1801, 0.2251, 0.3180



42.1801, 0.2193, 0.2532



42.1801, 0.4082, 0.3284



42.1801, 0.4135, 0.3976

Sweetspot

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



42.1817, 0.2251, 0.3180



88.1193, 0.2756, 0.3260



41.3694, 0.2997, 0.5761



18.5680, 0.2709, 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.



42.1817, 0.2251, 0.3180



72.0515, 0.2211, 0.3155



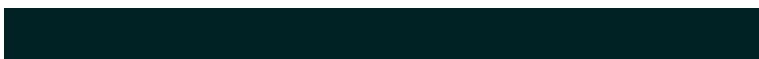
15.9995, 0.1884, 0.1798



11.9867, 0.2984, 0.3280



26.4993, 0.2210, 0.3157



1.2794, 0.2218, 0.3186

Inverse Universe

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



17.1646, 0.3294, 0.1679



27.8585, 0.3320, 0.1605



26.3280, 0.4960, 0.4227



10.8085, 0.3144, 0.3072



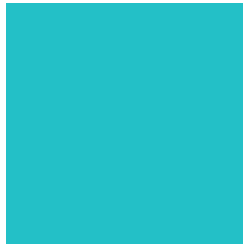
10.2151, 0.3318, 0.1602



0.4862, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 42.1801, 0.2251, 0.3180 looks on a white background.

Color Contrast Check

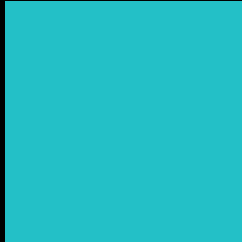
Large Text (above 18pt) WCAG AA × Fail

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 42.1801, 0.2251, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

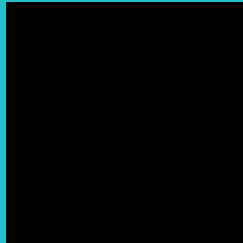
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1801, 0.2251, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 42.1801, 0.2251, 0.3180.

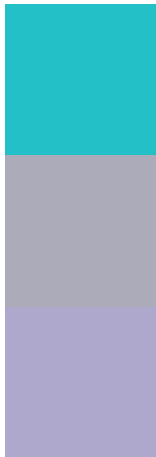


This preview shows how white text looks on a background with the Yxy color 42.1801, 0.2251, 0.3180.

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

42.1801, 0.2251, 0.3180

Protanopia

41.3289, 0.3005, 0.3087

Deuteranopia

41.3636, 0.2889, 0.2822



Tritanopia

42.2314, 0.2231, 0.3062

Trichromacy



Original Color

42.1801, 0.2251, 0.3180



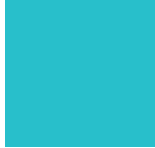
Protanomaly

40.1394, 0.2602, 0.3113



Deuteranomaly

39.9936, 0.2543, 0.2931



Tritanomaly

42.0245, 0.2238, 0.3105

Monochromacy



Original Color

42.1801, 0.2251, 0.3180



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.9752, 0.2630, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1801, 0.2251, 0.3180 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(35, 192, 199)` looks like.

```
.text, #text, p{  
    color:rgb(35, 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(35, 192, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 192, 199) }
```

Border

The CSS property to change the border of an element to Yxy 42.1801, 0.2251, 0.3180 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(35, 192, 199) }
```

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

```
.border{ border-color:rgb(35, 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(35, 192, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 192, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 192, 199);  
box-shadow:4px 4px 4px 4px rgb(35, 192,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1801, 0.2251, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 192, 199) }
```

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

```
.background{ background-color: rgb(35, 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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