

Converting Colors

$Y_{xy}(41.8836, 0.2285, 0.3211)$

Have a look what the booklet for
Yxy(41.8836, 0.2285, 0.3211)
contains.

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Color

Yxy(41.8755, 0.2286, 0.3211)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 30BFC4 |
| RGB | 48, 191, 196 |
| RGB Percent | 19%, 75%, 77% |
| CMY | 0.8117, 0.2510, 0.2314 |
| CMYK | 0.75, 0.03, 0.00, 0.23 |
| HSL | 182°, 61%, 48% |
| HSV | 182°, 75%, 77% |
| XYZ | 29.8123, 41.8755, 58.7248 |
| YIQ | 148.8130, -86.8330, -28.7610 |

Conversions

Conversions Part 2

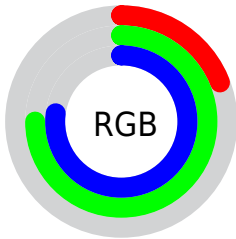
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 48, 121, 196 |
| Decimal | 3194820 |
| CIELab | 70.78, -34.35, -13.17 |
| CIElCh | 71, 36.790, 200.975 |
| Yxy | 41.8755, 0.2286, 0.3211 |
| Android (android.graphics.Color) | 4281384900 (0xFF30BFC4) |
| YUV | 148.8130, 23.2632, -88.4130 |
| Hunter-Lab | 64.7113, -31.0102, -8.5072 |

Details

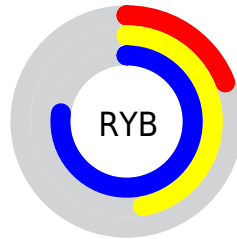
The Yxy color **41.8755, 0.2286, 0.3211** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **14.4936, 0.5666, 0.3342**, and the grayscale version is **29.9033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1486, 0.2434, 0.3230**, and **19.8443, 0.2217, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **41.2140, 0.2247, 0.3200**, and if you desaturate by 10%, it is **42.7518, 0.2344, 0.3222**.

Distribution



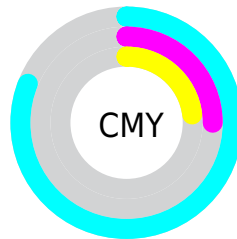
- Red (19%)
- Green (75%)
- Blue (77%)



- Red (19%)
- Yellow (47%)
- Blue (77%)



- Cyan (75%)
- Magenta (3%)
- Yellow (0%)
- Black (23%)





- Cyan (81%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8755, 0.2286, 0.3211 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 41.8755, 0.2286, 0.3211 by changing the saturation by 10% instead.

 41.8755, 0.2286,
0.3211

 41.8755, 0.2286,
0.3211

353.9666, 0.2701,
0.3264

 29.0038, 0.2185,
0.3194


 78.0112, 0.2435,
0.3233


 19.0837, 0.2057,
0.3169


 102.0439, 0.2492,
0.3241

 11.7308, 0.1891,
0.3131


 130.5659, 0.2540,
0.3247

 6.5606, 0.1667,
0.3071

 163.9613, 0.2581,
0.3252

 3.1889, 0.1354,
0.2963

 202.6147, 0.2617,
0.3256

 1.2311, 0.0677,
0.2815

246.9105, 0.2649,

 0.0869, 0.0000,

0.3259

0.0788

297.2330, 0.2677,
0.3262

■ 0.0000, 0.0000,
0.0000

■ 41.8755, 0.2286,
0.3211

■ 41.8755, 0.2286,
0.3211

■ 41.2140, 0.2247,
0.3200

■ 42.7518, 0.2344,
0.3222

■ 40.7323, 0.2225,
0.3189

■ 43.8629, 0.2421,
0.3234

■ 40.5471, 0.2218,
0.3184

■ 45.2315, 0.2516,
0.3245

■ 46.8765, 0.2628,
0.3256

■ 48.8151, 0.2755,
0.3266

■ 51.0628, 0.2894,
0.3276

■ 53.6343, 0.3043,
0.3285

■ 56.5432, 0.3197,
0.3294

■ 59.8024, 0.3356,
0.3301

Harmonies

Analogous

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



41.8755, 0.2623, 0.3749



41.8755, 0.2286, 0.3211



41.8755, 0.2165, 0.2759

Triad

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



41.8755, 0.2286, 0.3211



41.8755, 0.3069, 0.2589



41.8755, 0.4033, 0.4052

Complementary

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



41.8755, 0.2286, 0.3211



14.4936, 0.5666, 0.3342

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.



41.8755, 0.4193, 0.3684



41.8755, 0.2286, 0.3211



41.8755, 0.3612, 0.2878

Square

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



41.8755, 0.2286, 0.3211



41.8755, 0.2585, 0.2452



41.8755, 0.4039, 0.3265



41.8755, 0.3630, 0.4253

Rectangle

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



41.8755, 0.2286, 0.3211



41.8755, 0.2210, 0.2564



41.8755, 0.4039, 0.3265



41.8755, 0.4118, 0.3941

Sweetspot

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



41.8771, 0.2286, 0.3211



89.2701, 0.2784, 0.3268



40.3576, 0.3001, 0.5608



18.8086, 0.2735, 0.3265



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.



41.8771, 0.2286, 0.3211



74.0405, 0.2230, 0.3192



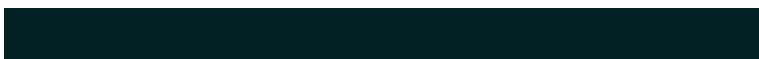
17.3531, 0.1960, 0.1938



11.3684, 0.2984, 0.3282



26.0850, 0.2218, 0.3186



1.1455, 0.2225, 0.3210

Inverse Universe

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



17.6112, 0.3264, 0.1730



28.5981, 0.3287, 0.1611



27.1092, 0.4795, 0.4210



10.2415, 0.3143, 0.3071



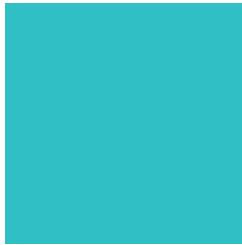
9.9155, 0.3294, 0.1588



0.4303, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 41.8755, 0.2286, 0.3211 looks on a white background.

Color Contrast Check

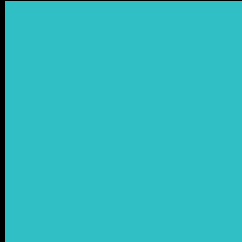
Large Text (above 18pt) WCAG AA × Fail

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 41.8755, 0.2286, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

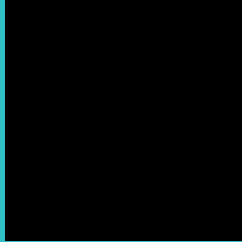
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

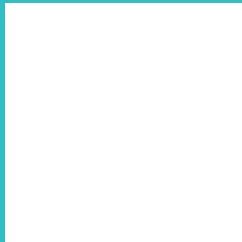
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8755, 0.2286, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 41.8755, 0.2286, 0.3211.

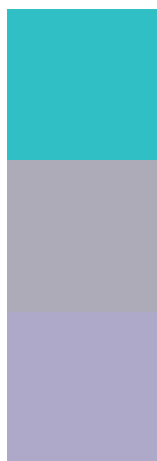


This preview shows how white text looks on a background with the Yxy color 41.8755, 0.2286, 0.3211.

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

41.8755, 0.2286, 0.3211

Protanopia

41.3154, 0.3037, 0.3128

Deuteranopia

41.2210, 0.2912, 0.2858



Tritanopia

42.0469, 0.2259, 0.3063

Trichromacy



Original Color

41.8755, 0.2286, 0.3211

Protanomaly

39.9837, 0.2652, 0.3142

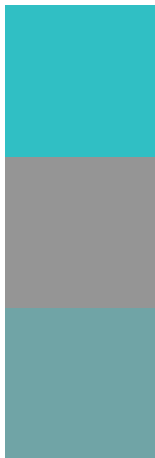
Deuteranomaly

39.7634, 0.2585, 0.2959

Tritanomaly

41.8212, 0.2264, 0.3106

Monochromacy



Original Color

41.8755, 0.2286, 0.3211

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.7488, 0.2669, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8755, 0.2286, 0.3211 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(48, 191, 196)` looks like.

```
.text, #text, p{  
    color:rgb(48, 191, 196)  
}
```

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(48, 191, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 191, 196) }
```

Border

The CSS property to change the border of an element to Yxy 41.8755, 0.2286, 0.3211 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(48, 191, 196) }
```

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

```
.border{ border-color:rgb(48, 191, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 191, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 191, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 191, 196);  
box-shadow:4px 4px 4px 4px rgb(48, 191,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8755, 0.2286, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 191, 196) }
```

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

```
.background{ background-color: rgb(48, 191,  
196) }
```

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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