

Converting Colors

$Y_{xy}(41.1698, 0.2200, 0.3067)$

Have a look what the booklet for
Yxy(41.1698, 0.2200, 0.3067)
contains.

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Color

Yxy(41.3460, 0.2202, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	15BECC
RGB	21, 190, 204
RGB Percent	8%, 75%, 80%
CMY	0.9184, 0.2549, 0.2000
CMYK	0.90, 0.07, 0.00, 0.20
HSL	185°, 81%, 44%
HSV	185°, 90%, 80%
XYZ	29.6174, 41.3460, 63.5389
YIQ	141.0650, -105.2180, -31.4740

Conversions

Conversions Part 2

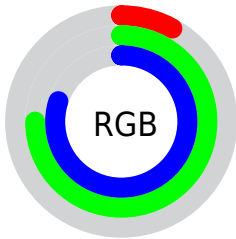
Format	Color
R_{YB}	21, 109, 204
Decimal	1425100
CIE _{Lab}	70.42, -33.51, -18.13
CIE _{LCh}	70, 38.103, 208.421
Yxy	41.3460, 0.2202, 0.3074
Android (android.graphics.Color)	4279615180 (0xFF15BECC)
YUV	141.0650, 31.0270, -105.2970
Hunter-Lab	64.3009, -30.3082, -13.5768

Details

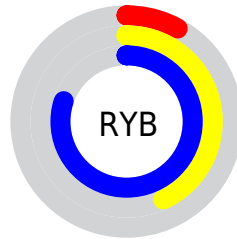
The Yxy color **41.3460, 0.2202, 0.3074** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **14.0796, 0.6135, 0.3370**, and the grayscale version is **26.5490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9297, 0.2387, 0.3194**, and **19.8103, 0.2167, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **40.5219, 0.2181, 0.3049**, and if you desaturate by 10%, it is **42.3441, 0.2238, 0.3100**.

Distribution



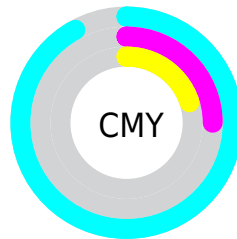
- Red (8%)
- Green (75%)
- Blue (80%)



- Red (8%)
- Yellow (43%)
- Blue (80%)



- Cyan (90%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)





- Cyan (92%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3460, 0.2202, 0.3074 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 41.3460, 0.2202, 0.3074 by changing the saturation by 10% instead.


 41.3460, 0.2202,
0.3074


 41.3460, 0.2202,
0.3074


351.7646, 0.2656,
0.3199

 28.5895, 0.2093,
0.3038


 77.2089, 0.2364,
0.3123


 18.7705, 0.1955,
0.2988


 101.0840, 0.2426,
0.3141

 11.5046, 0.1777,
0.2917


 129.4343, 0.2479,
0.3155

 6.4073, 0.1541,
0.2811

 162.6439, 0.2524,
0.3167

 3.0943, 0.1219,
0.2636

 201.0974, 0.2564,
0.3177

 1.1812, 0.0559,
0.2375

245.1791, 0.2598,

 0.0462, 0.0000,

0.3185

0.0328

295.2733, 0.2629,
0.3193

■ 0.0000, 0.0000,
0.0000

■ 41.3460, 0.2202,
0.3074

■ 41.3460, 0.2202,
0.3074

■ 40.5219, 0.2181,
0.3049

■ 42.3441, 0.2238,
0.3100

■ 40.5054, 0.2180,
0.3048

■ 43.5653, 0.2293,
0.3126

■ 45.0406, 0.2367,
0.3152

■ 46.7950, 0.2460,
0.3178

■ 48.8503, 0.2569,
0.3203

■ 51.2261, 0.2694,
0.3227

■ 53.9405, 0.2831,
0.3250

■ 57.0101, 0.2978,
0.3271

■ 60.4502, 0.3130,
0.3290

Harmonies

Analogous

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



41.3460, 0.2497, 0.3632



41.3460, 0.2202, 0.3074



41.3460, 0.2136, 0.2651

Triad

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



41.3460, 0.2202, 0.3074



41.3460, 0.3206, 0.2626



41.3460, 0.3981, 0.4154

Complementary

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



41.3460, 0.2202, 0.3074



14.0796, 0.6135, 0.3370

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.



41.3460, 0.4222, 0.3799



41.3460, 0.2202, 0.3074



41.3460, 0.3760, 0.2954

Square

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



41.3460, 0.2202, 0.3074



41.3460, 0.2675, 0.2441



41.3460, 0.4146, 0.3369



41.3460, 0.3519, 0.4301

Rectangle

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



41.3460, 0.2202, 0.3074



41.3460, 0.2220, 0.2486



41.3460, 0.4146, 0.3369



41.3460, 0.4092, 0.4051

Sweetspot

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



41.3475, 0.2202, 0.3074



85.8909, 0.2726, 0.3233



43.4481, 0.2985, 0.5849



18.0695, 0.2681, 0.3225



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.



41.3475, 0.2202, 0.3074



66.9450, 0.2179, 0.3045



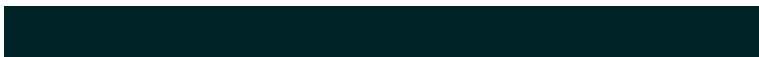
13.6679, 0.1785, 0.1547



12.5748, 0.2984, 0.3272



25.5591, 0.2181, 0.3052



1.3632, 0.2195, 0.3102

Inverse Universe

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



17.0837, 0.3387, 0.1679



27.2893, 0.3415, 0.1655



27.4593, 0.5044, 0.4286



11.3884, 0.3149, 0.3079



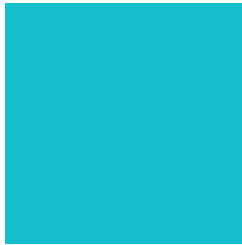
10.3832, 0.3409, 0.1652



0.5402, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 41.3460, 0.2202, 0.3074 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 41.3460, 0.2202, 0.3074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

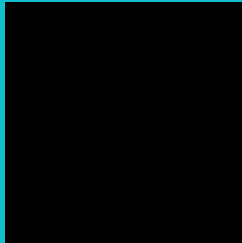
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3460, 0.2202, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 41.3460, 0.2202, 0.3074.



This preview shows how white text looks on a background with the Yxy color 41.3460, 0.2202, 0.3074.

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

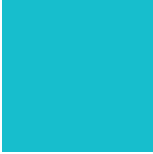
41.3460, 0.2202, 0.3074

Protanopia

40.8359, 0.2939, 0.3006

Deuteranopia

40.5657, 0.2802, 0.2741



Tritanopia

41.4168, 0.2200, 0.3059

Trichromacy



Original Color

41.3460, 0.2202, 0.3074



Protanomaly

39.0072, 0.2516, 0.3008



Deuteranomaly

38.7423, 0.2447, 0.2828



Tritanomaly

41.4053, 0.2199, 0.3059

Monochromacy



Original Color

41.3460, 0.2202, 0.3074



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.0180, 0.2565, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3460, 0.2202, 0.3074 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(21, 190, 204)` looks like.

```
.text, #text, p{  
    color:rgb(21, 190, 204)  
}
```

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(21, 190, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 190, 204) }
```

Border

The CSS property to change the border of an element to Yxy 41.3460, 0.2202, 0.3074 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(21, 190, 204) }
```

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

```
.border{ border-color:rgb(21, 190, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 190, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 190, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 190, 204);  
box-shadow:4px 4px 4px 4px rgb(21, 190,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3460, 0.2202, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 190, 204) }
```

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

```
.background{ background-color: rgb(21, 190,  
204) }
```

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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