

Converting Colors

$Y_{xy}(31.2124, 0.0944, 0.2920)$

Have a look what the booklet for
Yxy(31.2124, 0.0944, 0.2920)
contains.

Yxy(41.4304, 0.2167, 0.3000)	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(41.4304, 0.2167, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	00BED1
RGB	0, 190, 209
RGB Percent	0%, 75%, 82%
CMY	0.9981, 0.2549, 0.1804
CMYK	1.00, 0.09, 0.00, 0.18
HSL	185°, 100%, 41%
HSV	185°, 100%, 82%
XYZ	29.9266, 41.4304, 66.7444
YIQ	135.3560, -119.3390, -34.3710

Conversions

Conversions Part 2

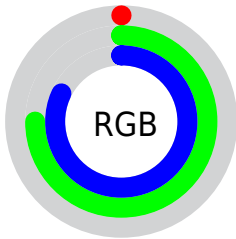
Format	Color
RYB	0, 100, 209
Decimal	48849
CIELab	70.48, -32.59, -20.80
CIELCh	70, 38.660, 212.546
Yxy	41.4304, 0.2167, 0.3000
Android (android.graphics.Color)	4278238929 (0xFF00BED1)
YUV	135.3560, 36.3065, -118.7072
Hunter-Lab	64.3665, -29.6494, -16.4239

Details

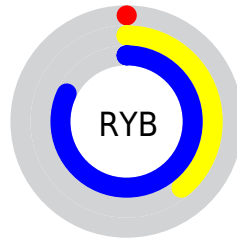
The Yxy color **41.4304, 0.2167, 0.3000** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **14.0396, 0.6333, 0.3350**, and the grayscale version is **24.3183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7448, 0.2378, 0.3194**, and **19.9749, 0.2140, 0.2904** is the 20% darker color. If you saturate the color by 10%, you get **41.4100, 0.2167, 0.2999**, and if you desaturate by 10%, it is **42.4232, 0.2190, 0.3031**.

Distribution



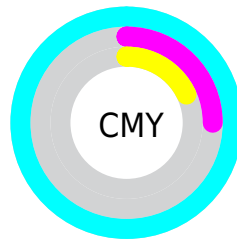
- Red (0%)
- Green (75%)
- Blue (82%)



- Red (0%)
- Yellow (39%)
- Blue (82%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4304, 0.2167, 0.3000 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 41.4304, 0.2167, 0.3000 by changing the saturation by 10% instead.


 41.4304, 0.2167,
0.3000

 41.4304, 0.2167,
0.3000

352.1163, 0.2637,
0.3163

 28.6555, 0.2055,
0.2954

 77.3368, 0.2334,
0.3063


 18.8204, 0.1914,
0.2892


 101.2372, 0.2398,
0.3086

 11.5406, 0.1733,
0.2806


 129.6148, 0.2453,
0.3105

 6.4317, 0.1494,
0.2678

 162.8542, 0.2500,
0.3120

 3.1093, 0.1172,
0.2476

 201.3396, 0.2540,
0.3133

 1.1891, 0.0559,
0.2166

245.4555, 0.2576,

 0.0527, 0.0000,

0.3145

0.0315

295.5862, 0.2608,
0.3155

■ 0.0000, 0.0000,
0.0000

■ 41.4304, 0.2167,
0.3000

■ 41.4304, 0.2167,
0.3000

■ 41.4100, 0.2167,
0.2999

■ 42.4232, 0.2190,
0.3031

■ 43.5994, 0.2228,
0.3062

■ 45.0164, 0.2285,
0.3093

■ 46.7056, 0.2360,
0.3125

■ 48.6935, 0.2455,
0.3156

■ 51.0034, 0.2566,
0.3186

■ 53.6560, 0.2692,
0.3215

■ 56.6706, 0.2830,
0.3242

■ 60.0647, 0.2978,
0.3267

Harmonies

Analogous

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



41.4304, 0.2435, 0.3557



41.4304, 0.2167, 0.3000



41.4304, 0.2133, 0.2599

Triad

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



41.4304, 0.2167, 0.3000



41.4304, 0.3287, 0.2656



41.4304, 0.3938, 0.4201

Complementary

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



41.4304, 0.2167, 0.3000



14.0396, 0.6333, 0.3350

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.



41.4304, 0.4221, 0.3860



41.4304, 0.2167, 0.3000



41.4304, 0.3837, 0.3004

Square

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



41.4304, 0.2167, 0.3000



41.4304, 0.2736, 0.2446



41.4304, 0.4191, 0.3429



41.4304, 0.3449, 0.4311

Rectangle

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



41.4304, 0.2167, 0.3000



41.4304, 0.2239, 0.2454



41.4304, 0.4191, 0.3429



41.4304, 0.4062, 0.4105

Sweetspot

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



41.4319, 0.2167, 0.3000



83.8950, 0.2685, 0.3213



45.6502, 0.2986, 0.5949



17.5657, 0.2630, 0.3201



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.



41.4319, 0.2167, 0.3000



64.7944, 0.2166, 0.2996



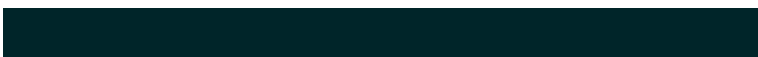
11.4822, 0.1696, 0.1302



13.2151, 0.2983, 0.3268



25.6068, 0.2168, 0.3004



1.4869, 0.2184, 0.3060

Inverse Universe

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



17.2841, 0.3454, 0.1677



27.0722, 0.3458, 0.1678



27.5055, 0.5171, 0.4275



11.9897, 0.3152, 0.3081



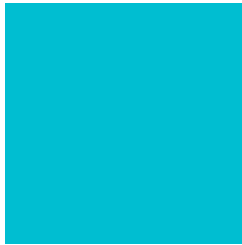
10.6563, 0.3451, 0.1675



0.6014, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 41.4304, 0.2167, 0.3000 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 41.4304, 0.2167, 0.3000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

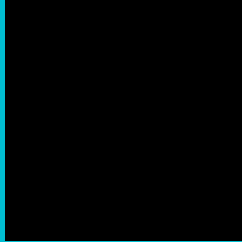
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4304, 0.2167, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 41.4304, 0.2167, 0.3000.



This preview shows how white text looks on a background with the Yxy color 41.4304, 0.2167, 0.3000.

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

41.4304, 0.2167, 0.3000

Protanopia

40.9505, 0.2893, 0.2941

Deuteranopia

40.9673, 0.2752, 0.2693



Tritanopia

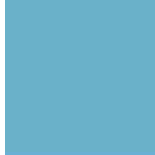
41.2831, 0.2179, 0.3044

Trichromacy



Original Color

41.4304, 0.2167, 0.3000



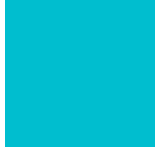
Protanomaly

38.7255, 0.2441, 0.2934



Deuteranomaly

38.8683, 0.2378, 0.2771



Tritanomaly

41.3319, 0.2175, 0.3029

Monochromacy



Original Color

41.4304, 0.2167, 0.3000



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.0298, 0.2494, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4304, 0.2167, 0.3000 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(0, 190, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 209)  
}
```

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(0, 190, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 209) }
```

Border

The CSS property to change the border of an element to Yxy 41.4304, 0.2167, 0.3000 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(0, 190, 209) }
```

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

```
.border{ border-color:rgb(0, 190, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4304, 0.2167, 0.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 209) }
```

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

```
.background{ background-color: rgb(0, 190,  
209) }
```

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