

Converting Colors

$Y_{xy}(41.3716, 0.2214, 0.3016)$

Have a look what the booklet for
Yxy(41.3716, 0.2214, 0.3016)
contains.

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Color

Yxy(41.3716, 0.2214, 0.3016)

Conversions

Conversions Part 1

Format	Color
Hex	29BDCF
RGB	41, 189, 207
RGB Percent	16%, 74%, 81%
CMY	0.8400, 0.2588, 0.1881
CMYK	0.80, 0.09, 0.00, 0.19
HSL	187°, 67%, 49%
HSV	187°, 80%, 81%
XYZ	30.3703, 41.3716, 65.4319
YIQ	146.8000, -93.9860, -25.7780

Conversions

Conversions Part 2

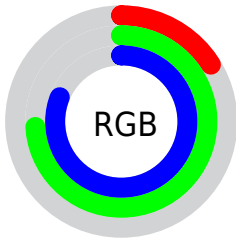
Format	Color
R _Y B	41, 119, 207
Decimal	2735567
CIE Lab	70.44, -30.74, -19.75
CIE LCh	70, 36.536, 212.717
Yxy	41.3716, 0.2214, 0.3016
Android (android.graphics.Color)	4280925647 (0xFF29BDCF)
YUV	146.8000, 29.6786, -92.7866
Hunter-Lab	64.3208, -28.2792, -15.2897

Details

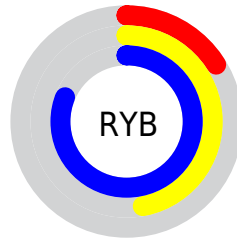
The Yxy color **41.3716, 0.2214, 0.3016** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **16.5356, 0.5764, 0.3442**, and the grayscale version is **28.9714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8445, 0.2411, 0.3183**, and **19.6279, 0.2145, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **40.0978, 0.2175, 0.2979**, and if you desaturate by 10%, it is **42.8866, 0.2272, 0.3054**.

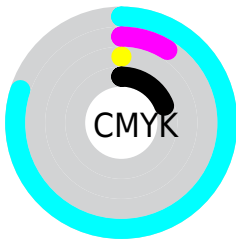
Distribution



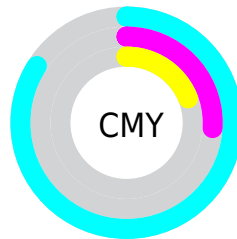
- Red (16%)
- Green (74%)
- Blue (81%)



- Red (16%)
- Yellow (47%)
- Blue (81%)



- Cyan (80%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)





- Cyan (84%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3716, 0.2214, 0.3016 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 41.3716, 0.2214, 0.3016 by changing the saturation by 10% instead.

 41.3716, 0.2214,
0.3016


 41.3716, 0.2214,
0.3016


351.8713, 0.2662,
0.3170


 28.6096, 0.2106,
0.2973


 77.2477, 0.2374,
0.3076

 18.7857, 0.1971,
0.2915


 101.1305, 0.2435,
0.3097


 11.5155, 0.1796,
0.2834


 129.4890, 0.2487,
0.3114

 6.4147, 0.1564,
0.2713

 162.7077, 0.2532,
0.3129

 3.0988, 0.1247,
0.2521

 201.1709, 0.2571,
0.3142

 1.1836, 0.0653,
0.2222

245.2629, 0.2605,

 0.0482, 0.0000,

0.3152

0.0309

295.3683, 0.2635,
0.3162

■ 0.0000, 0.0000,
0.0000

■ 41.3716, 0.2214,
0.3016

■ 41.3716, 0.2214,
0.3016

■ 40.0978, 0.2175,
0.2979

■ 42.8866, 0.2272,
0.3054

■ 39.0330, 0.2151,
0.2943

■ 44.6692, 0.2349,
0.3091

■ 46.7470, 0.2445,
0.3129

■ 49.1428, 0.2557,
0.3165

■ 51.8772, 0.2684,
0.3199

■ 54.9689, 0.2823,
0.3231

■ 58.4353, 0.2970,
0.3262

■ 62.2926, 0.3123,
0.3289

■ 66.5558, 0.3278,
0.3314

Harmonies

Analogous

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



41.3716, 0.2470, 0.3540



41.3716, 0.2214, 0.3016



41.3716, 0.2182, 0.2635

Triad

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



41.3716, 0.2214, 0.3016



41.3716, 0.3283, 0.2688



41.3716, 0.3895, 0.4156

Complementary

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



41.3716, 0.2214, 0.3016



16.5356, 0.5764, 0.3442

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.



41.3716, 0.4162, 0.3838



41.3716, 0.2214, 0.3016



41.3716, 0.3801, 0.3022

Square

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



41.3716, 0.2214, 0.3016



41.3716, 0.2760, 0.2487



41.3716, 0.4134, 0.3429



41.3716, 0.3432, 0.4252

Rectangle

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



41.3716, 0.2214, 0.3016



41.3716, 0.2284, 0.2495



41.3716, 0.4134, 0.3429



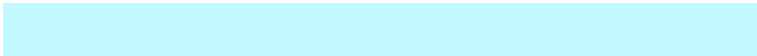
41.3716, 0.4012, 0.4068

Sweetspot

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



41.3731, 0.2214, 0.3016



86.0241, 0.2766, 0.3219



45.4047, 0.2967, 0.5619



18.0340, 0.2716, 0.3207



0.0000, 0.0000, 0.0000



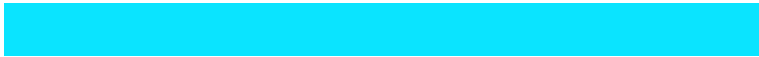
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.3731, 0.2214, 0.3016



63.0322, 0.2158, 0.2953



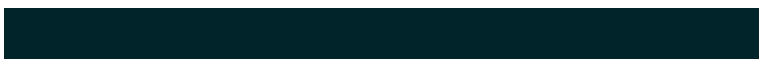
15.5481, 0.1855, 0.1652



13.1791, 0.2983, 0.3264



24.6706, 0.2152, 0.2948



1.4435, 0.2171, 0.3016

Inverse Universe

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



18.5150, 0.3432, 0.1779



27.1091, 0.3495, 0.1709



32.3395, 0.4785, 0.4348



11.9861, 0.3154, 0.3085



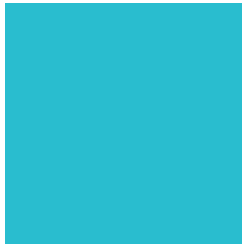
10.5618, 0.3500, 0.1702



0.5970, 0.3440, 0.1669

Previews

White Background



This preview shows how the Yxy color 41.3716, 0.2214, 0.3016 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 41.3716, 0.2214, 0.3016 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

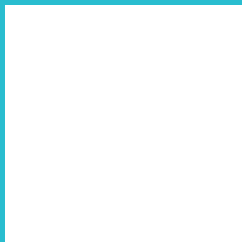
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.3716, 0.2214, 0.3016

Background



This preview shows how black text looks on a background with the Yxy color 41.3716, 0.2214, 0.3016.



This preview shows how white text looks on a background with the Yxy color 41.3716, 0.2214, 0.3016.

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

41.3716, 0.2214, 0.3016

Protanopia

40.8600, 0.2908, 0.2967

Deuteranopia

40.6064, 0.2773, 0.2704



Tritanopia

41.2150, 0.2217, 0.3045

Trichromacy



Original Color

41.3716, 0.2214, 0.3016



Protanomaly

39.6328, 0.2542, 0.2970



Deuteranomaly

39.3780, 0.2472, 0.2794



Tritanomaly

41.2828, 0.2215, 0.3030

Monochromacy



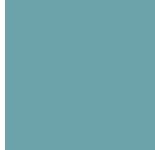
Original Color

41.3716, 0.2214, 0.3016



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.8934, 0.2614, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3716, 0.2214, 0.3016 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(41, 189, 207)` looks like.

```
.text, #text, p{  
    color:rgb(41, 189, 207)  
}
```

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(41, 189, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 189, 207) }
```

Border

The CSS property to change the border of an element to Yxy 41.3716, 0.2214, 0.3016 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(41, 189, 207) }
```

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

```
.border{ border-color:rgb(41, 189, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 189, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 189, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 189, 207);  
box-shadow:4px 4px 4px 4px rgb(41, 189,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3716, 0.2214, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 189, 207) }
```

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

```
.background{ background-color: rgb(41, 189,  
207) }
```

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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