

Converting Colors

$Y_{xy}(35.2917, 0.2221, 0.3195)$

Have a look what the booklet for
Yxy(35.2917, 0.2221, 0.3195)
contains.

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Color

Yxy(35.3015, 0.2219, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	00B2B8
RGB	0, 178, 184
RGB Percent	0%, 70%, 72%
CMY	0.9997, 0.3019, 0.2785
CMYK	1.00, 0.03, 0.00, 0.28
HSL	182°, 100%, 36%
HSV	182°, 100%, 72%
XYZ	24.5715, 35.3015, 50.8594
YIQ	125.4620, -108.0140, -35.8700

Conversions

Conversions Part 2

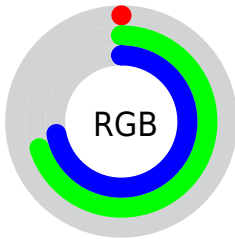
Format	Color
RYB	0, 90, 184
Decimal	45752
CIELab	65.98, -34.86, -13.83
CIELCh	66, 37.499, 201.642
Yxy	35.3015, 0.2219, 0.3188
Android (android.graphics.Color)	4278235832 (0xFF00B2B8)
YUV	125.4620, 28.8592, -110.0302
Hunter-Lab	59.4151, -30.1564, -9.1618

Details

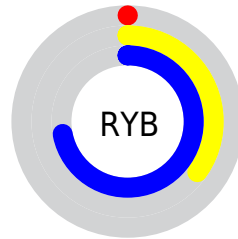
The Yxy color **35.3015, 0.2219, 0.3188** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.3209, 0.6376, 0.3319**, and the grayscale version is **20.6091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7896, 0.2384, 0.3213**, and **16.3059, 0.2209, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **35.3012, 0.2219, 0.3188**, and if you desaturate by 10%, it is **35.6744, 0.2237, 0.3198**.

Distribution



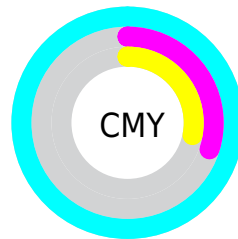
- Red (0%)
- Green (70%)
- Blue (72%)



- Red (0%)
- Yellow (35%)
- Blue (72%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (30%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3015, 0.2219, 0.3188 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 35.3015, 0.2219, 0.3188 by changing the saturation by 10% instead.


 35.3015, 0.2219,
0.3188

 35.3015, 0.2219,
0.3188


325.8971, 0.2679,
0.3256

 23.8952, 0.2104,
0.3165


 67.9526, 0.2387,
0.3217

 15.2559, 0.1957,
0.3131


 89.9662, 0.2449,
0.3227


 8.9992, 0.1763,
0.3080


 116.2843, 0.2502,
0.3234

 4.7407, 0.1498,
0.2994

 147.2914, 0.2548,
0.3241

 2.0959, 0.1124,
0.2835

 183.3718, 0.2587,
0.3246

 0.6623, 0.0000,
0.2601

224.9100, 0.2622,

 0.0000, 0.0000,

0.3250

0.0000

272.2903, 0.2652,
0.3253

■ 35.3015, 0.2219,
0.3188

■ 35.3015, 0.2219,
0.3188

■ 35.3012, 0.2219,
0.3188

■ 35.6744, 0.2237,
0.3198

■ 36.1721, 0.2268,
0.3209

■ 36.8421, 0.2318,
0.3220

■ 37.7070, 0.2386,
0.3231

■ 38.7862, 0.2474,
0.3242

■ 40.0966, 0.2578,
0.3252

■ 41.6534, 0.2699,
0.3263

■ 43.4706, 0.2832,
0.3272

■ 45.5611, 0.2976,
0.3282

Harmonies

Analogous

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



35.3015, 0.2572, 0.3775



35.3015, 0.2219, 0.3188



35.3015, 0.2097, 0.2707

Triad

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



35.3015, 0.2219, 0.3188



35.3015, 0.3075, 0.2546



35.3015, 0.4092, 0.4112

Complementary

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



35.3015, 0.2219, 0.3188



10.3209, 0.6376, 0.3319

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.



35.3015, 0.4276, 0.3715



35.3015, 0.2219, 0.3188



35.3015, 0.3662, 0.2855

Square

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



35.3015, 0.2219, 0.3188



35.3015, 0.2554, 0.2395



35.3015, 0.4119, 0.3268



35.3015, 0.3652, 0.4331

Rectangle

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



35.3015, 0.2219, 0.3188



35.3015, 0.2149, 0.2504



35.3015, 0.4119, 0.3268



35.3015, 0.4187, 0.3992

Sweetspot

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



35.3028, 0.2219, 0.3188



75.3520, 0.2692, 0.3262



34.2838, 0.2997, 0.5989



15.9800, 0.2640, 0.3258



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.3028, 0.2219, 0.3188



63.9295, 0.2218, 0.3186



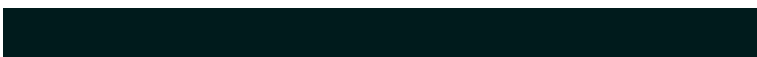
10.6007, 0.1757, 0.1524



10.1591, 0.2985, 0.3282



24.3536, 0.2219, 0.3189



0.8742, 0.2227, 0.3216

Inverse Universe

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



13.4053, 0.3292, 0.1587



24.2932, 0.3294, 0.1588



18.3918, 0.5357, 0.4128



9.1576, 0.3142, 0.3072



9.2408, 0.3291, 0.1587



0.3273, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 35.3015, 0.2219, 0.3188 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 35.3015, 0.2219, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

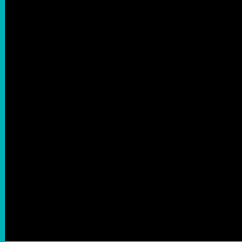
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

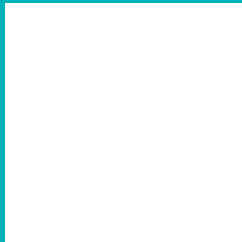
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3015, 0.2219, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 35.3015, 0.2219, 0.3188.



This preview shows how white text looks on a background with the Yxy color 35.3015, 0.2219, 0.3188.

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

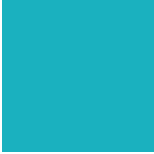
35.3015, 0.2219, 0.3188

Protanopia

34.7649, 0.3022, 0.3101

Deuteranopia

34.9246, 0.2880, 0.2828



Tritanopia

35.4255, 0.2207, 0.3060

Trichromacy



Original Color

35.3015, 0.2219, 0.3188

Protanomaly

32.8116, 0.2528, 0.3111

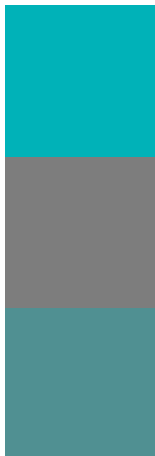
Deuteranomaly

32.9636, 0.2462, 0.2927

Tritanomaly

35.1943, 0.2210, 0.3107

Monochromacy



Original Color

35.3015, 0.2219, 0.3188

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

23.7273, 0.2530, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3015, 0.2219, 0.3188 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, 178, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 184)  
}
```

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, 178, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 184) }
```

Border

The CSS property to change the border of an element to Yxy 35.3015, 0.2219, 0.3188 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, 178, 184) }
```

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

```
.border{ border-color:rgb(0, 178, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 178, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3015, 0.2219, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 184) }
```

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

```
.background{ background-color: rgb(0, 178,  
184) }
```

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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