

Converting Colors

$Y_{xy}(33.2655, 0.1977, 0.3824)$

Have a look what the booklet for
Yxy(33.2655, 0.1977, 0.3824)
contains.

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Color

Yxy(36.2335, 0.2383, 0.3779)

Conversions

Conversions Part 1

Format	Color
Hex	00B79B
RGB	0, 183, 155
RGB Percent	0%, 72%, 61%
CMY	1.0000, 0.2823, 0.3922
CMYK	1.00, 0.00, 0.15, 0.28
HSL	171°, 100%, 36%
HSV	171°, 100%, 72%
XYZ	22.8485, 36.2335, 36.7992
YIQ	125.0910, -100.0800, -47.5040

Conversions

Conversions Part 2

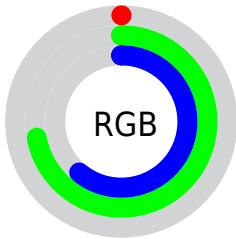
Format	Color
RYB	0, 99, 183
Decimal	47003
CIELab	66.70, -45.56, 3.27
CIELCh	67, 45.682, 175.895
Yxy	36.2335, 0.2383, 0.3779
Android (android.graphics.Color)	4278237083 (0xFF00B79B)
YUV	125.0910, 14.7451, -109.7048
Hunter-Lab	60.1943, -37.5851, 5.8896

Details

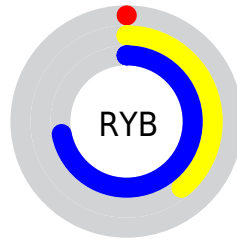
The Yxy color **36.2335, 0.2383, 0.3779** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.1518, 0.6186, 0.3181**, and the grayscale version is **20.5160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4650, 0.2528, 0.3689**, and **16.7000, 0.2417, 0.3900** is the 20% darker color. If you saturate the color by 10%, you get **36.2356, 0.2383, 0.3779**, and if you desaturate by 10%, it is **36.4623, 0.2385, 0.3726**.

Distribution



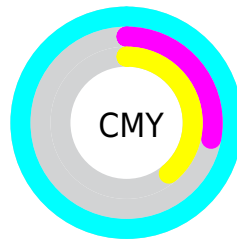
- Red (0%)
- Green (72%)
- Blue (61%)



- Red (0%)
- Yellow (39%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2335, 0.2383, 0.3779 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 36.2335, 0.2383, 0.3779 by changing the saturation by 10% instead.


 36.2335, 0.2383,
0.3779


 36.2335, 0.2383,
0.3779


 329.9800, 0.2769,
0.3521

 24.6146, 0.2282,
0.3848


 69.3923, 0.2527,
0.3682


 15.7901, 0.2151,
0.3938


 91.7010, 0.2579,
0.3647


 9.3758, 0.1973,
0.4063

 118.3417, 0.2624,
0.3617

 4.9871, 0.1719,
0.4246

 149.6989, 0.2662,
0.3592

 2.2397, 0.1310,
0.4550

 186.1569, 0.2694,
0.3571

 0.7415, 0.0000,
0.5616

 228.1002, 0.2722,

 0.0000, 0.0000,

0.3552

0.0000

275.9131, 0.2747,
0.3536

■ 36.2335, 0.2383,
0.3779

■ 36.2335, 0.2383,
0.3779

■ 36.2356, 0.2383,
0.3779

■ 36.4623, 0.2385,
0.3726

■ 36.8142, 0.2402,
0.3672

■ 37.3373, 0.2437,
0.3618

■ 38.0540, 0.2491,
0.3564

■ 38.9835, 0.2564,
0.3512

■ 40.1424, 0.2653,
0.3462

■ 41.5459, 0.2757,
0.3414

■ 43.2076, 0.2872,
0.3369

■ 45.1404, 0.2997,
0.3328

Harmonies

Analogous

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



36.2335, 0.2978, 0.4386



36.2335, 0.2383, 0.3779



36.2335, 0.2012, 0.3057

Triad

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



36.2335, 0.2383, 0.3779



36.2335, 0.2517, 0.2249



36.2335, 0.4498, 0.3843

Complementary

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



36.2335, 0.2383, 0.3779



10.1518, 0.6186, 0.3181

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.



36.2335, 0.4379, 0.3321



36.2335, 0.2383, 0.3779



36.2335, 0.3158, 0.2455

Square

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



36.2335, 0.2383, 0.3779



36.2335, 0.2089, 0.2259



36.2335, 0.3864, 0.2834



36.2335, 0.4211, 0.4311

Rectangle

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



36.2335, 0.2383, 0.3779



36.2335, 0.1918, 0.2671



36.2335, 0.3864, 0.2834



36.2335, 0.4507, 0.3670

Sweetspot

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



36.2356, 0.2383, 0.3779



74.2682, 0.2751, 0.3416



34.1527, 0.3051, 0.5960



16.1602, 0.2706, 0.3436



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.



36.2356, 0.2383, 0.3779



64.8657, 0.2386, 0.3788



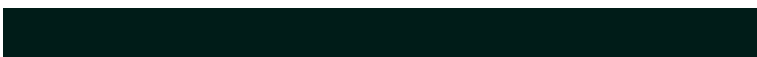
17.3390, 0.1934, 0.2163



10.1864, 0.3005, 0.3325



25.2852, 0.2381, 0.3773



0.8978, 0.2343, 0.3634

Inverse Universe

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



10.1518, 0.6186, 0.3181



18.1595, 0.6215, 0.3197



13.4056, 0.5876, 0.3716



9.0340, 0.3264, 0.3255



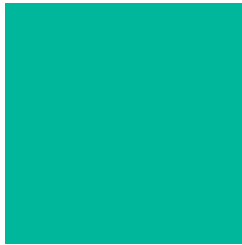
7.0882, 0.6163, 0.3169



0.2570, 0.5554, 0.2833

Previews

White Background



This preview shows how the Yxy color 36.2335, 0.2383, 0.3779 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 36.2335, 0.2383, 0.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

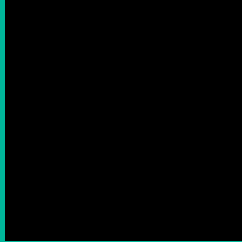
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2335, 0.2383, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 36.2335, 0.2383, 0.3779.

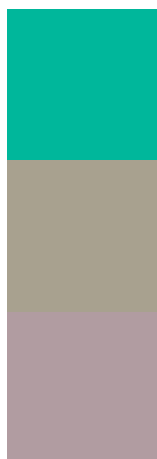


This preview shows how white text looks on a background with the Yxy color 36.2335, 0.2383, 0.3779.

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

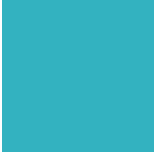
36.2335, 0.2383, 0.3779

Protanopia

35.7977, 0.3360, 0.3553

Deuteranopia

35.6973, 0.3289, 0.3221



Tritanopia

36.3504, 0.2259, 0.3064

Trichromacy



Original Color

36.2335, 0.2383, 0.3779



Protanomaly

33.6083, 0.2778, 0.3658



Deuteranomaly

33.2864, 0.2730, 0.3403



Tritanomaly

36.2043, 0.2286, 0.3304

Monochromacy



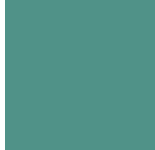
Original Color

36.2335, 0.2383, 0.3779



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.0408, 0.2611, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2335, 0.2383, 0.3779 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, 183, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 155)  
}
```

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, 183, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 155) }
```

Border

The CSS property to change the border of an element to Yxy 36.2335, 0.2383, 0.3779 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, 183, 155) }
```

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

```
.border{ border-color:rgb(0, 183, 155) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2335, 0.2383, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 155) }
```

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

```
.background{ background-color: rgb(0, 183,  
155) }
```

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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