

Converting Colors

$Y_{xy}(35.0853, 0.2277, 0.4115)$

Have a look what the booklet for
Yxy(35.0853, 0.2277, 0.4115)
contains.

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Color

Yxy(36.6210, 0.2465, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	00B98D
RGB	0, 185, 141
RGB Percent	0%, 73%, 55%
CMY	1.0000, 0.2745, 0.4471
CMYK	1.00, 0.00, 0.24, 0.27
HSL	166°, 100%, 36%
HSV	166°, 100%, 73%
XYZ	22.1523, 36.6210, 31.0941
YIQ	124.6690, -96.1360, -52.9040

Conversions

Conversions Part 2

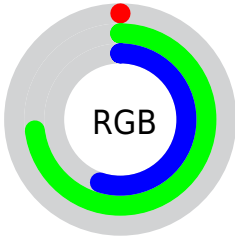
Format	Color
RYB	0, 105, 185
Decimal	47501
CIELab	66.99, -50.02, 11.38
CIELCh	67, 51.300, 167.179
Yxy	36.6210, 0.2465, 0.4075
Android (android.graphics.Color)	4278237581 (0xFF00B98D)
YUV	124.6690, 8.0512, -109.3347
Hunter-Lab	60.5153, -40.5597, 11.8961

Details

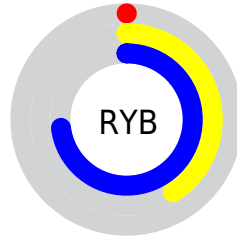
The Yxy color **36.6210, 0.2465, 0.4075** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.4975, 0.5967, 0.3061**, and the grayscale version is **20.3892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9858, 0.2597, 0.3905**, and **16.9879, 0.2524, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **36.6247, 0.2465, 0.4075**, and if you desaturate by 10%, it is **36.8918, 0.2459, 0.3988**.

Distribution



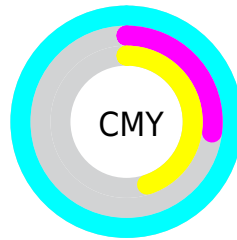
- Red (0%)
- Green (73%)
- Blue (55%)



- Red (0%)
- Yellow (41%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6210, 0.2465, 0.4075 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 36.6210, 0.2465, 0.4075 by changing the saturation by 10% instead.


 36.6210, 0.2465,
0.4075


 36.6210, 0.2465,
0.4075


 331.6667, 0.2816,
0.3649


 24.9142, 0.2371,
0.4193


 69.9895, 0.2597,
0.3911


 16.0131, 0.2246,
0.4353

 92.4200, 0.2646,
0.3853

 9.5334, 0.2074,
0.4580


 119.1938, 0.2686,
0.3804

 5.0907, 0.1822,
0.4926

 150.6953, 0.2720,
0.3763

 2.3006, 0.1366,
0.5545

 187.3090, 0.2749,
0.3728

 0.7740, 0.0000,
0.9429

 229.4192, 0.2774,

 0.0000, 0.0000,

0.3698

0.0000

277.4103, 0.2796,
0.3672

■ 36.6210, 0.2465,
0.4075

■ 36.6210, 0.2465,
0.4075

■ 36.6247, 0.2465,
0.4075

■ 36.8918, 0.2459,
0.3988

■ 37.2906, 0.2469,
0.3900

■ 37.8680, 0.2497,
0.3812

■ 38.6472, 0.2545,
0.3726

■ 39.6477, 0.2611,
0.3641

■ 40.8867, 0.2693,
0.3561

■ 42.3799, 0.2788,
0.3485

■ 44.1413, 0.2894,
0.3414

■ 46.1842, 0.3008,
0.3349

Harmonies

Analogous

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



36.6210, 0.3164, 0.4647



36.6210, 0.2465, 0.4075



36.6210, 0.1981, 0.3243

Triad

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



36.6210, 0.2465, 0.4075



36.6210, 0.2285, 0.2123



36.6210, 0.4667, 0.3714

Complementary

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



36.6210, 0.2465, 0.4075



10.4975, 0.5967, 0.3061

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.



36.6210, 0.4400, 0.3149



36.6210, 0.2465, 0.4075



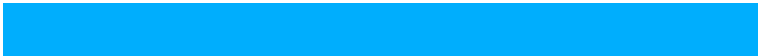
36.6210, 0.2931, 0.2284

Square

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



36.6210, 0.2465, 0.4075



36.6210, 0.1900, 0.2203



36.6210, 0.3726, 0.2647



36.6210, 0.4455, 0.4267

Rectangle

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



36.6210, 0.2465, 0.4075



36.6210, 0.1824, 0.2761



36.6210, 0.3726, 0.2647



36.6210, 0.4633, 0.3523

Sweetspot

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



36.6247, 0.2465, 0.4075



75.7510, 0.2783, 0.3488



35.2887, 0.3101, 0.5919



16.0791, 0.2742, 0.3520



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.



36.6247, 0.2465, 0.4075



65.5485, 0.2469, 0.4089



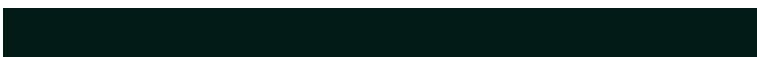
21.8982, 0.2017, 0.2459



10.1731, 0.3016, 0.3345



24.9470, 0.2462, 0.4064



0.8884, 0.2400, 0.3840

Inverse Universe

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



10.4975, 0.5967, 0.3061



18.7686, 0.6004, 0.3081



12.2893, 0.6077, 0.3557



9.0463, 0.3251, 0.3236



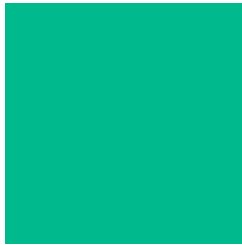
7.1568, 0.5936, 0.3044



0.2622, 0.5199, 0.2638

Previews

White Background



This preview shows how the Yxy color 36.6210, 0.2465, 0.4075 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 36.6210, 0.2465, 0.4075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

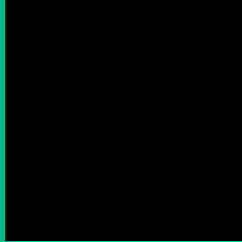
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6210, 0.2465, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 36.6210, 0.2465, 0.4075.

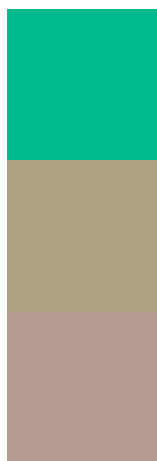


This preview shows how white text looks on a background with the Yxy color 36.6210, 0.2465, 0.4075.

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

36.6210, 0.2465, 0.4075

Protanopia

36.2230, 0.3519, 0.3753

Deuteranopia

35.9508, 0.3486, 0.3416



Tritanopia

36.5906, 0.2275, 0.3050

Trichromacy



Original Color

36.6210, 0.2465, 0.4075



Protanomaly

33.7219, 0.2890, 0.3901



Deuteranomaly

33.3948, 0.2860, 0.3654



Tritanomaly

36.4971, 0.2325, 0.3405

Monochromacy



Original Color

36.6210, 0.2465, 0.4075



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.2116, 0.2652, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6210, 0.2465, 0.4075 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, 185, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 141)  
}
```

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, 185, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 141) }
```

Border

The CSS property to change the border of an element to Yxy 36.6210, 0.2465, 0.4075 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, 185, 141) }
```

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

```
.border{ border-color:rgb(0, 185, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6210, 0.2465, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 141) }
```

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

```
.background{ background-color: rgb(0, 185,  
141) }
```

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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