

Converting Colors

$Y_{xy}(36.9011, 0.2508, 0.4227)$

Have a look what the booklet for
Yxy(36.9011, 0.2508, 0.4227)
contains.

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Color

Yxy(36.8455, 0.2508, 0.4224)

Conversions

Conversions Part 1

Format	Color
Hex	01BA86
RGB	1, 186, 134
RGB Percent	0%, 73%, 53%
CMY	0.9945, 0.2706, 0.4746
CMYK	0.99, 0.00, 0.28, 0.27
HSL	163°, 99%, 37%
HSV	163°, 99%, 73%
XYZ	21.8770, 36.8455, 28.5064
YIQ	124.7570, -93.5680, -55.3920

Conversions

Conversions Part 2

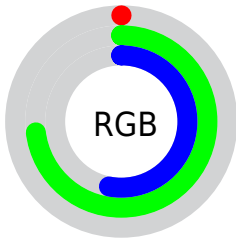
Format	Color
RYB	1, 109, 186
Decimal	113286
CIELab	67.16, -52.03, 15.44
CIELCh	67, 54.272, 163.476
Yxy	36.8455, 0.2508, 0.4224
Android (android.graphics.Color)	4278303366 (0xFF01BA86)
YUV	124.7570, 4.5568, -108.5349
Hunter-Lab	60.7005, -41.8928, 14.6463

Details

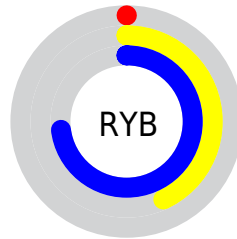
The Yxy color **36.8455, 0.2508, 0.4224** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.7301, 0.5805, 0.2978**, and the grayscale version is **20.4714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2304, 0.2636, 0.4029**, and **16.8727, 0.2576, 0.4473** is the 20% darker color. If you saturate the color by 10%, you get **36.8269, 0.2509, 0.4232**, and if you desaturate by 10%, it is **37.1365, 0.2498, 0.4119**.

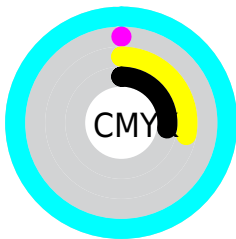
Distribution



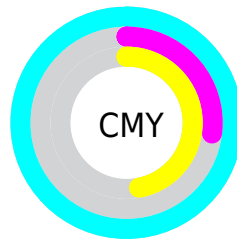
- Red (0%)
- Green (73%)
- Blue (53%)



- Red (0%)
- Yellow (43%)
- Blue (73%)



- Cyan (99%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)



- Cyan (99%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8455, 0.2508, 0.4224 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 36.8455, 0.2508, 0.4224 by changing the saturation by 10% instead.


 36.8455, 0.2508,
0.4224


 36.8455, 0.2508,
0.4224


332.6411, 0.2841,
0.3712


 25.0879, 0.2417,
0.4368


 70.3351, 0.2635,
0.4026


 16.1425, 0.2296,
0.4563


 92.8359, 0.2680,
0.3956

 9.6251, 0.2125,
0.4842


 119.6865, 0.2719,
0.3898

 5.1511, 0.1872,
0.5271

 151.2714, 0.2751,
0.3849

 2.3362, 0.1387,
0.6050

 187.9749, 0.2778,
0.3807

 0.7928, 0.0000,
1.0000

 230.1814, 0.2802,

 0.0000, 0.0000,

0.3771

0.0000

278.2754, 0.2823,
0.3740

■ 36.8455, 0.2508,
0.4224

■ 36.8455, 0.2508,
0.4224

■ 36.8269, 0.2509,
0.4232

■ 37.1365, 0.2498,
0.4119

■ 37.5686, 0.2505,
0.4013

■ 38.1854, 0.2532,
0.3908

■ 39.0102, 0.2577,
0.3803

■ 40.0626, 0.2641,
0.3702

■ 41.3600, 0.2720,
0.3606

■ 42.9180, 0.2812,
0.3515

■ 44.7510, 0.2914,
0.3431

■ 46.8722, 0.3023,
0.3355

Harmonies

Analogous

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



36.8455, 0.3256, 0.4765



36.8455, 0.2508, 0.4224



36.8455, 0.1970, 0.3342

Triad

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



36.8455, 0.2508, 0.4224



36.8455, 0.2178, 0.2065



36.8455, 0.4743, 0.3650

Complementary

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



36.8455, 0.2508, 0.4224



10.7301, 0.5805, 0.2978

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.



36.8455, 0.4402, 0.3067



36.8455, 0.2508, 0.4224



36.8455, 0.2822, 0.2205

Square

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



36.8455, 0.2508, 0.4224



36.8455, 0.1815, 0.2179



36.8455, 0.3653, 0.2559



36.8455, 0.4570, 0.4237

Rectangle

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



36.8455, 0.2508, 0.4224



36.8455, 0.1782, 0.2811



36.8455, 0.3653, 0.2559



36.8455, 0.4687, 0.3452

Sweetspot

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



36.8469, 0.2508, 0.4224



77.4137, 0.2800, 0.3526



35.8963, 0.3130, 0.5891



16.7769, 0.2760, 0.3564



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.8469, 0.2508, 0.4224



66.7088, 0.2514, 0.4249



24.1125, 0.2052, 0.2582



10.1663, 0.3022, 0.3355



24.7898, 0.2505, 0.4218



0.8839, 0.2430, 0.3949

Inverse Universe

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



10.7301, 0.5805, 0.2978



19.3420, 0.5867, 0.3006



12.0553, 0.6127, 0.3507



9.0527, 0.3245, 0.3226



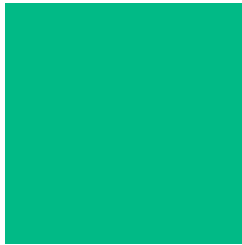
7.2037, 0.5794, 0.2965



0.2649, 0.5039, 0.2550

Previews

White Background



This preview shows how the Yxy color 36.8455, 0.2508, 0.4224 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 36.8455, 0.2508, 0.4224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

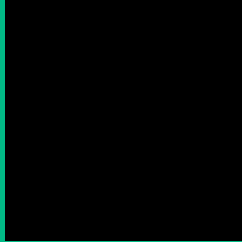
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8455, 0.2508, 0.4224

Background



This preview shows how black text looks on a background with the Yxy color 36.8455, 0.2508, 0.4224.

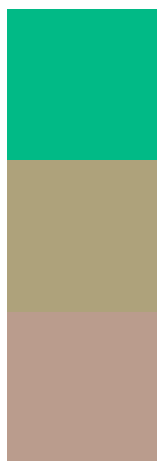


This preview shows how white text looks on a background with the Yxy color 36.8455, 0.2508, 0.4224.

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

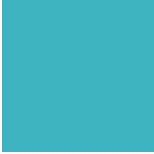
36.8455, 0.2508, 0.4224

Protanopia

36.2694, 0.3605, 0.3851

Deuteranopia

36.1391, 0.3576, 0.3498



Tritanopia

36.6831, 0.2285, 0.3051

Trichromacy



Original Color

36.8455, 0.2508, 0.4224



Protanomaly

34.0376, 0.2959, 0.4037



Deuteranomaly

33.3943, 0.2939, 0.3772



Tritanomaly

36.4576, 0.2340, 0.3439

Monochromacy



Original Color

36.8455, 0.2508, 0.4224



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.1314, 0.2676, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8455, 0.2508, 0.4224 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(1, 186, 134)` looks like.

```
.text, #text, p{  
    color:rgb(1, 186, 134)  
}
```

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(1, 186, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 186, 134) }
```

Border

The CSS property to change the border of an element to Yxy 36.8455, 0.2508, 0.4224 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(1, 186, 134) }
```

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

```
.border{ border-color:rgb(1, 186, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 186, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 186, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 186, 134);  
box-shadow:4px 4px 4px 4px rgb(1, 186,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8455, 0.2508, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 186, 134) }
```

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

```
.background{ background-color: rgb(1, 186,  
134) }
```

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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