

Converting Colors

$Y_{xy}(30.2550, 0.1524, 0.4233)$

Have a look what the booklet for
Yxy(30.2550, 0.1524, 0.4233)
contains.

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Color

Yxy(35.7901, 0.2457, 0.4044)

Conversions

Conversions Part 1

Format	Color
Hex	00B78D
RGB	0, 183, 141
RGB Percent	0%, 72%, 55%
CMY	0.9987, 0.2824, 0.4470
CMYK	1.00, 0.00, 0.23, 0.28
HSL	166°, 100%, 36%
HSV	166°, 100%, 72%
XYZ	21.7449, 35.7901, 30.9668
YIQ	123.4950, -95.5860, -51.8580

Conversions

Conversions Part 2

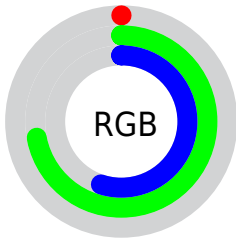
Format	Color
RYB	0, 103, 183
Decimal	46989
CIELab	66.36, -49.19, 10.47
CIELCh	66, 50.296, 167.981
Yxy	35.7901, 0.2457, 0.4044
Android (android.graphics.Color)	4278237069 (0xFF00B78D)
YUV	123.4950, 8.6300, -108.3051
Hunter-Lab	59.8248, -39.8130, 11.1875

Details

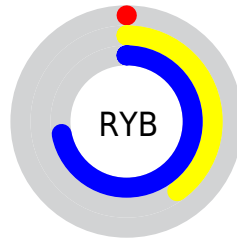
The Yxy color **35.7901, 0.2457, 0.4044** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.2434, 0.5985, 0.3072**, and the grayscale version is **20.0079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7471, 0.2589, 0.3883**, and **16.4558, 0.2513, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **35.7872, 0.2457, 0.4046**, and if you desaturate by 10%, it is **36.0517, 0.2452, 0.3960**.

Distribution



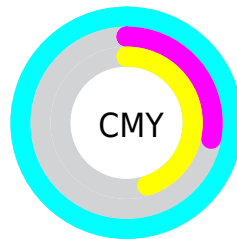
- Red (0%)
- Green (72%)
- Blue (55%)



- Red (0%)
- Yellow (40%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7901, 0.2457, 0.4044 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 35.7901, 0.2457, 0.4044 by changing the saturation by 10% instead.


 35.7901, 0.2457,
0.4044


 35.7901, 0.2457,
0.4044


 328.0422, 0.2813,
0.3634

 24.2721, 0.2362,
0.4158


 68.7080, 0.2591,
0.3887


 15.5356, 0.2235,
0.4312


 90.8767, 0.2640,
0.3830


 9.1961, 0.2060,
0.4532


 117.3644, 0.2681,
0.3783

 4.8693, 0.1804,
0.4866

 148.5555, 0.2715,
0.3744

 2.1708, 0.1315,
0.5485

 184.8345, 0.2745,
0.3711

 0.7040, 0.0000,
0.9535

 226.5856, 0.2770,

 0.0000, 0.0000,

0.3682

0.0000

274.1934, 0.2793,
0.3656

■ 35.7901, 0.2457,
0.4044

■ 35.7901, 0.2457,
0.4044

■ 35.7872, 0.2457,
0.4046

■ 36.0517, 0.2452,
0.3960

■ 36.4414, 0.2462,
0.3876

■ 37.0053, 0.2492,
0.3792

■ 37.7659, 0.2541,
0.3708

■ 38.7423, 0.2608,
0.3627

■ 39.9511, 0.2691,
0.3550

■ 41.4075, 0.2787,
0.3477

■ 43.1252, 0.2894,
0.3408

■ 45.1169, 0.3009,
0.3346

Harmonies

Analogous

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



35.7901, 0.3146, 0.4620



35.7901, 0.2457, 0.4044



35.7901, 0.1985, 0.3224

Triad

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



35.7901, 0.2457, 0.4044



35.7901, 0.2308, 0.2136



35.7901, 0.4649, 0.3727

Complementary

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



35.7901, 0.2457, 0.4044



10.2434, 0.5985, 0.3072

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.



35.7901, 0.4398, 0.3166



35.7901, 0.2457, 0.4044



35.7901, 0.2954, 0.2302

Square

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



35.7901, 0.2457, 0.4044



35.7901, 0.1919, 0.2209



35.7901, 0.3740, 0.2666



35.7901, 0.4430, 0.4272

Rectangle

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



35.7901, 0.2457, 0.4044



35.7901, 0.1834, 0.2752



35.7901, 0.3740, 0.2666



35.7901, 0.4620, 0.3538

Sweetspot

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



35.7915, 0.2457, 0.4044



73.9726, 0.2780, 0.3481



34.3790, 0.3091, 0.5927



16.0867, 0.2739, 0.3512



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.



35.7915, 0.2457, 0.4044



64.0595, 0.2461, 0.4059



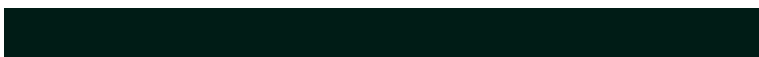
20.5499, 0.2001, 0.2403



10.1744, 0.3015, 0.3343



24.9774, 0.2454, 0.4035



0.8893, 0.2394, 0.3820

Inverse Universe

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



10.2434, 0.5985, 0.3072



18.3014, 0.6027, 0.3094



12.2675, 0.6034, 0.3588



9.0451, 0.3253, 0.3238



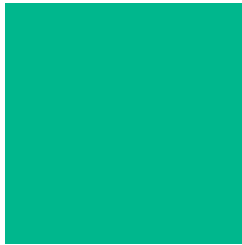
7.1490, 0.5961, 0.3058



0.2617, 0.5230, 0.2655

Previews

White Background



This preview shows how the Yxy color 35.7901, 0.2457, 0.4044 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 35.7901, 0.2457, 0.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

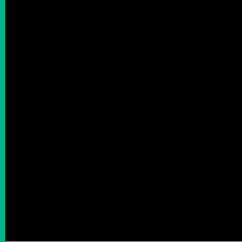
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7901, 0.2457, 0.4044

Background



This preview shows how black text looks on a background with the Yxy color 35.7901, 0.2457, 0.4044.



This preview shows how white text looks on a background with the Yxy color 35.7901, 0.2457, 0.4044.

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

35.7901, 0.2457, 0.4044

Protanopia

35.2994, 0.3505, 0.3729

Deuteranopia

35.2526, 0.3457, 0.3403



Tritanopia

35.6821, 0.2273, 0.3048

Trichromacy



Original Color

35.7901, 0.2457, 0.4044



Protanomaly

32.9146, 0.2880, 0.3871



Deuteranomaly

32.5994, 0.2850, 0.3624



Tritanomaly

35.6324, 0.2320, 0.3389

Monochromacy



Original Color

35.7901, 0.2457, 0.4044



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.5248, 0.2647, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7901, 0.2457, 0.4044 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 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, 183, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 141) }
```

Border

The CSS property to change the border of an element to Yxy 35.7901, 0.2457, 0.4044 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, 141) }
```

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

```
.border{ border-color:rgb(0, 183, 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, 183, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7901, 0.2457, 0.4044 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, 141) }
```

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

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