

Converting Colors

$Yxy(34.5822, 0.2464, 0.4464)$

Have a look what the booklet for
Yxy(34.5822, 0.2464, 0.4464)
contains.

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Color

Yxy(35.2474, 0.2566, 0.4436)

Conversions

Conversions Part 1

Format	Color
Hex	00B779
RGB	0, 183, 121
RGB Percent	0%, 72%, 47%
CMY	0.9984, 0.2824, 0.5254
CMYK	1.00, 0.00, 0.34, 0.28
HSL	160°, 100%, 36%
HSV	160°, 100%, 72%
XYZ	20.3888, 35.2474, 23.8214
YIQ	121.2150, -89.1660, -58.0780

Conversions

Conversions Part 2

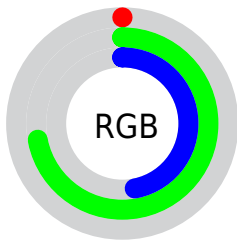
Format	Color
RYB	0, 110, 183
Decimal	46969
CIELab	65.94, -53.88, 20.76
CIELCh	66, 57.746, 158.925
Yxy	35.2474, 0.2566, 0.4436
Android (android.graphics.Color)	4278237049 (0xFF00B779)
YUV	121.2150, -0.1060, -106.3056
Hunter-Lab	59.3695, -42.5958, 17.7692

Details

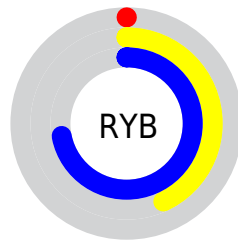
The Yxy color **35.2474, 0.2566, 0.4436** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.4278, 0.5609, 0.2865**, and the grayscale version is **19.2569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8091, 0.2684, 0.4181**, and **16.1684, 0.2656, 0.4760** is the 20% darker color. If you saturate the color by 10%, you get **35.2428, 0.2566, 0.4439**, and if you desaturate by 10%, it is **35.5391, 0.2551, 0.4308**.

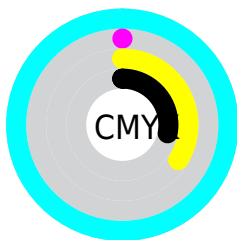
Distribution



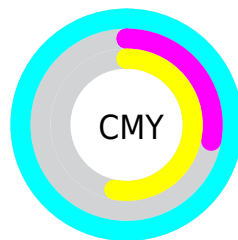
- Red (0%)
- Green (72%)
- Blue (47%)



- Red (0%)
- Yellow (43%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (28%)




- Cyan (100%)
- Magenta (28%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2474, 0.2566, 0.4436 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 35.2474, 0.2566, 0.4436 by changing the saturation by 10% instead.

 35.2474, 0.2566,
0.4436


 35.2474, 0.2566,
0.4436


 325.6590, 0.2878,
0.3797


 23.8535, 0.2477,
0.4620


 67.8689, 0.2687,
0.4186


 15.2250, 0.2355,
0.4872


 89.8652, 0.2731,
0.4098


 8.9774, 0.2179,
0.5237


 116.1645, 0.2766,
0.4026

 4.7265, 0.1908,
0.5803

 147.1511, 0.2796,
0.3965

 2.0877, 0.1240,
0.7151

 183.2095, 0.2821,
0.3913

 0.6577, 0.0000,
1.0000

 224.7240, 0.2842,

 0.0000, 0.0000,

0.3869

0.0000

272.0791, 0.2861,
0.3831

■ 35.2474, 0.2566,
0.4436

■ 35.2474, 0.2566,
0.4436

■ 35.2428, 0.2566,
0.4439

■ 35.5391, 0.2551,
0.4308

■ 35.9644, 0.2552,
0.4179

■ 36.5694, 0.2573,
0.4049

■ 37.3767, 0.2613,
0.3921

■ 38.4053, 0.2671,
0.3797

■ 39.6720, 0.2744,
0.3679

■ 41.1922, 0.2829,
0.3568

■ 42.9796, 0.2924,
0.3466

■ 45.0471, 0.3025,
0.3373

Harmonies

Analogous

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



35.2474, 0.3379, 0.4921



35.2474, 0.2566, 0.4436



35.2474, 0.1952, 0.3485

Triad

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



35.2474, 0.2566, 0.4436



35.2474, 0.2034, 0.1985



35.2474, 0.4847, 0.3561

Complementary

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



35.2474, 0.2566, 0.4436



10.4278, 0.5609, 0.2865

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.



35.2474, 0.4401, 0.2955



35.2474, 0.2566, 0.4436



35.2474, 0.2673, 0.2098

Square

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



35.2474, 0.2566, 0.4436



35.2474, 0.1700, 0.2145



35.2474, 0.3551, 0.2440



35.2474, 0.4728, 0.4191

Rectangle

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



35.2474, 0.2566, 0.4436



35.2474, 0.1724, 0.2883



35.2474, 0.3551, 0.2440



35.2474, 0.4761, 0.3353

Sweetspot

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



35.2488, 0.2566, 0.4436



73.5668, 0.2822, 0.3576



34.9668, 0.3189, 0.5848



15.9865, 0.2786, 0.3622



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.



35.2488, 0.2566, 0.4436



63.0775, 0.2572, 0.4459



27.0669, 0.2114, 0.2808



10.1574, 0.3029, 0.3369



24.6003, 0.2562, 0.4424



0.8783, 0.2471, 0.4095

Inverse Universe

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



10.4278, 0.5609, 0.2865



18.6170, 0.5657, 0.2890



10.8886, 0.6253, 0.3414



9.0612, 0.3236, 0.3213



7.2784, 0.5584, 0.2850



0.2684, 0.4849, 0.2445

Previews

White Background



This preview shows how the Yxy color 35.2474, 0.2566, 0.4436 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 35.2474, 0.2566, 0.4436 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 35.2474, 0.2566, 0.4436

Background



This preview shows how black text looks on a background with the Yxy color 35.2474, 0.2566, 0.4436.



This preview shows how white text looks on a background with the Yxy color 35.2474, 0.2566, 0.4436.

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

35.2474, 0.2566, 0.4436

Protanopia

34.7146, 0.3709, 0.3989

Deuteranopia

34.6553, 0.3707, 0.3640



Tritanopia

35.4241, 0.2303, 0.3064

Trichromacy



Original Color

35.2474, 0.2566, 0.4436



Protanomaly

32.5581, 0.3042, 0.4209



Deuteranomaly

31.8831, 0.3033, 0.3956



Tritanomaly

34.9925, 0.2373, 0.3529

Monochromacy



Original Color

35.2474, 0.2566, 0.4436



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.9048, 0.2701, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2474, 0.2566, 0.4436 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 121) }
```

Border

The CSS property to change the border of an element to Yxy 35.2474, 0.2566, 0.4436 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, 121) }
```

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

```
.border{ border-color:rgb(0, 183, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2474, 0.2566, 0.4436 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, 121) }
```

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

```
.background{ background-color: rgb(0, 183,  
121) }
```

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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