

Converting Colors

$Y_{xy}(34.1012, 0.2141, 0.4485)$

Have a look what the booklet for
Yxy(34.1012, 0.2141, 0.4485)
contains.

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Color

Yxy(36.6501, 0.2544, 0.4360)

Conversions

Conversions Part 1

Format	Color
Hex	00BA7F
RGB	0, 186, 127
RGB Percent	0%, 73%, 50%
CMY	1.0000, 0.2705, 0.5020
CMYK	1.00, 0.00, 0.32, 0.27
HSL	161°, 100%, 36%
HSV	161°, 100%, 73%
XYZ	21.3848, 36.6501, 26.0249
YIQ	123.6600, -91.9170, -57.7810

Conversions

Conversions Part 2

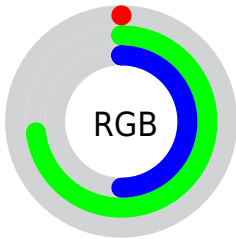
Format	Color
RYB	0, 111, 186
Decimal	47743
CIELab	67.01, -53.71, 19.01
CIELCh	67, 56.975, 160.512
Yxy	36.6501, 0.2544, 0.4360
Android (android.graphics.Color)	4278237823 (0xFF00BA7F)
YUV	123.6600, 1.6466, -108.4498
Hunter-Lab	60.5393, -42.8907, 16.8897

Details

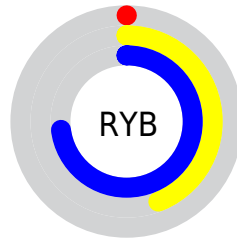
The Yxy color **36.6501, 0.2544, 0.4360** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.7564, 0.5702, 0.2915**, and the grayscale version is **20.0564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8833, 0.2665, 0.4128**, and **16.7827, 0.2620, 0.4633** is the 20% darker color. If you saturate the color by 10%, you get **36.6547, 0.2544, 0.4360**, and if you desaturate by 10%, it is **36.9476, 0.2531, 0.4241**.

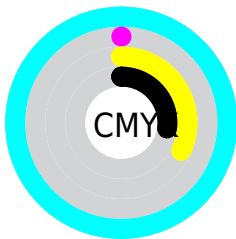
Distribution



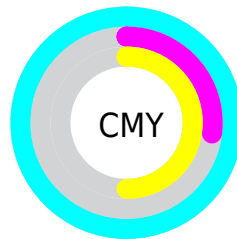
- Red (0%)
- Green (73%)
- Blue (50%)



- Red (0%)
- Yellow (44%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6501, 0.2544, 0.4360 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 36.6501, 0.2544, 0.4360 by changing the saturation by 10% instead.


 36.6501, 0.2544,
0.4360


 36.6501, 0.2544,
0.4360

 331.7932, 0.2863,
0.3769

 24.9367, 0.2455,
0.4528


 70.0343, 0.2667,
0.4131


 16.0299, 0.2334,
0.4757


 92.4739, 0.2711,
0.4049

 9.5453, 0.2163,
0.5085

 119.2577, 0.2747,
0.3982

 5.0985, 0.1905,
0.5591

 150.7700, 0.2778,
0.3925

 2.3052, 0.1366,
0.6575

 187.3954, 0.2804,
0.3877

 0.7765, 0.0000,
1.0000

 229.5181, 0.2826,

 0.0000, 0.0000,

0.3836

0.0000

277.5225, 0.2846,
0.3800

■ 36.6501, 0.2544,
0.4360

■ 36.6501, 0.2544,
0.4360

■ 36.6547, 0.2544,
0.4360

■ 36.9476, 0.2531,
0.4241

■ 37.3778, 0.2533,
0.4121

■ 37.9927, 0.2555,
0.4000

■ 38.8159, 0.2597,
0.3881

■ 39.8673, 0.2656,
0.3765

■ 41.1645, 0.2731,
0.3655

■ 42.7233, 0.2818,
0.3552

■ 44.5581, 0.2915,
0.3457

■ 46.6824, 0.3019,
0.3369

Harmonies

Analogous

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



36.6501, 0.3335, 0.4868



36.6501, 0.2544, 0.4360



36.6501, 0.1957, 0.3432

Triad

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



36.6501, 0.2544, 0.4360



36.6501, 0.2085, 0.2013



36.6501, 0.4812, 0.3593

Complementary

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



36.6501, 0.2544, 0.4360



10.7564, 0.5702, 0.2915

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.



36.6501, 0.4404, 0.2995



36.6501, 0.2544, 0.4360



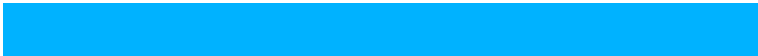
36.6501, 0.2726, 0.2135

Square

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



36.6501, 0.2544, 0.4360



36.6501, 0.1739, 0.2156



36.6501, 0.3589, 0.2482



36.6501, 0.4673, 0.4209

Rectangle

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



36.6501, 0.2544, 0.4360



36.6501, 0.1743, 0.2856



36.6501, 0.3589, 0.2482



36.6501, 0.4737, 0.3389

Sweetspot

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



36.6547, 0.2544, 0.4360



77.2766, 0.2814, 0.3557



36.1467, 0.3171, 0.5864



16.7431, 0.2775, 0.3600



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.



36.6547, 0.2544, 0.4360



66.3843, 0.2550, 0.4379



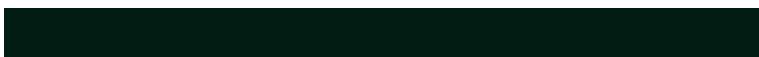
26.9914, 0.2097, 0.2750



10.1608, 0.3026, 0.3364



24.6710, 0.2540, 0.4344



0.8804, 0.2455, 0.4038

Inverse Universe

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



10.7564, 0.5702, 0.2915



19.4553, 0.5743, 0.2937



11.4205, 0.6234, 0.3432



9.0579, 0.3239, 0.3218



7.2478, 0.5668, 0.2896



0.2671, 0.4920, 0.2484

Previews

White Background



This preview shows how the Yxy color 36.6501, 0.2544, 0.4360 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 36.6501, 0.2544, 0.4360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

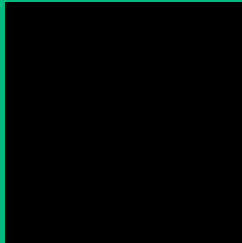
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6501, 0.2544, 0.4360

Background



This preview shows how black text looks on a background with the Yxy color 36.6501, 0.2544, 0.4360.

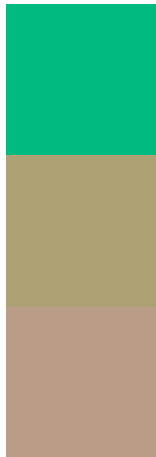


This preview shows how white text looks on a background with the Yxy color 36.6501, 0.2544, 0.4360.

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

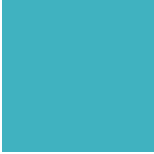
36.6501, 0.2544, 0.4360

Protanopia

36.1003, 0.3670, 0.3952

Deuteranopia

36.0630, 0.3656, 0.3594



Tritanopia

36.7365, 0.2300, 0.3067

Trichromacy



Original Color

36.6501, 0.2544, 0.4360



Protanomaly

33.8614, 0.3011, 0.4161



Deuteranomaly

33.1981, 0.2994, 0.3894



Tritanomaly

36.3463, 0.2365, 0.3508

Monochromacy



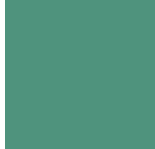
Original Color

36.6501, 0.2544, 0.4360



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.0104, 0.2692, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6501, 0.2544, 0.4360 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, 186, 127)` looks like.

```
.text, #text, p{  
  color:rgb(0, 186, 127)  
}
```

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, 186, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 127) }
```

Border

The CSS property to change the border of an element to Yxy 36.6501, 0.2544, 0.4360 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, 186, 127) }
```

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

```
.border{ border-color:rgb(0, 186, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6501, 0.2544, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 127) }
```

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

```
.background{ background-color: rgb(0, 186,  
127) }
```

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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