

Converting Colors

$Y_{xy}(34.3564, 0.2075, 0.3706)$

Have a look what the booklet for
Yxy(34.3564, 0.2075, 0.3706)
contains.

Yxy(36.4402, 0.2352, 0.3669)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.4402, 0.2352, 0.3669)

Conversions

Conversions Part 1

Format	Color
Hex	00B7A1
RGB	0, 183, 161
RGB Percent	0%, 72%, 63%
CMY	1.0000, 0.2823, 0.3686
CMYK	1.00, 0.00, 0.12, 0.28
HSL	173°, 100%, 36%
HSV	173°, 100%, 72%
XYZ	23.3599, 36.4402, 39.5191
YIQ	125.7750, -102.0060, -45.6380

Conversions

Conversions Part 2

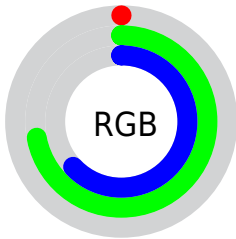
Format	Color
RYB	0, 97, 183
Decimal	47009
CIELab	66.85, -43.94, 0.19
CIELCh	67, 43.939, 179.752
Yxy	36.4402, 0.2352, 0.3669
Android (android.graphics.Color)	4278237089 (0xFF00B7A1)
YUV	125.7750, 17.3659, -110.3047
Hunter-Lab	60.3657, -36.5654, 3.4411

Details

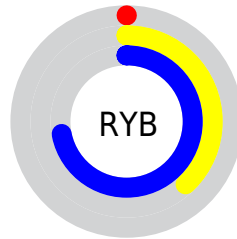
The Yxy color **36.4402, 0.2352, 0.3669** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.1270, 0.6250, 0.3217**, and the grayscale version is **20.7523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8747, 0.2500, 0.3595**, and **16.8263, 0.2374, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **36.4459, 0.2353, 0.3669**, and if you desaturate by 10%, it is **36.6558, 0.2358, 0.3628**.

Distribution



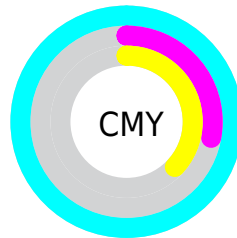
- Red (0%)
- Green (72%)
- Blue (63%)



- Red (0%)
- Yellow (38%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4402, 0.2352, 0.3669 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 36.4402, 0.2352, 0.3669 by changing the saturation by 10% instead.


 36.4402, 0.2352,
0.3669


 36.4402, 0.2352,
0.3669

330.8805, 0.2751,
0.3474


 24.7744, 0.2249,
0.3719


 69.7110, 0.2500,
0.3597


 15.9090, 0.2116,
0.3785


 92.0847, 0.2554,
0.3570

 9.4598, 0.1936,
0.3873


 118.7965, 0.2600,
0.3548

 5.0423, 0.1682,
0.3998

 150.2308, 0.2639,
0.3528

 2.2721, 0.1293,
0.4190

 186.7719, 0.2673,
0.3512

 0.7589, 0.0000,
0.4828

228.8043, 0.2703,

 0.0000, 0.0000,

0.3497

0.0000

276.7124, 0.2728,
0.3485

■ 36.4402, 0.2352,
0.3669

■ 36.4402, 0.2352,
0.3669

■ 36.4459, 0.2353,
0.3669

■ 36.6558, 0.2358,
0.3628

■ 36.9900, 0.2377,
0.3586

■ 37.4946, 0.2414,
0.3545

■ 38.1921, 0.2471,
0.3503

■ 39.1015, 0.2546,
0.3463

■ 40.2395, 0.2638,
0.3424

■ 41.6212, 0.2745,
0.3387

■ 43.2604, 0.2864,
0.3352

■ 45.1698, 0.2992,
0.3320

Harmonies

Analogous

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



36.4402, 0.2905, 0.4282



36.4402, 0.2352, 0.3669



36.4402, 0.2025, 0.2990

Triad

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



36.4402, 0.2352, 0.3669



36.4402, 0.2610, 0.2299



36.4402, 0.4430, 0.3892

Complementary

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



36.4402, 0.2352, 0.3669



10.1270, 0.6250, 0.3217

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.



36.4402, 0.4367, 0.3388



36.4402, 0.2352, 0.3669



36.4402, 0.3246, 0.2523

Square

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



36.4402, 0.2352, 0.3669



36.4402, 0.2165, 0.2281



36.4402, 0.3914, 0.2907



36.4402, 0.4115, 0.4323

Rectangle

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



36.4402, 0.2352, 0.3669



36.4402, 0.1955, 0.2638



36.4402, 0.3914, 0.2907



36.4402, 0.4455, 0.3726

Sweetspot

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



36.4459, 0.2353, 0.3669



74.3972, 0.2739, 0.3388



34.0719, 0.3036, 0.5971



16.1924, 0.2693, 0.3404



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.



36.4459, 0.2353, 0.3669



65.2400, 0.2354, 0.3676



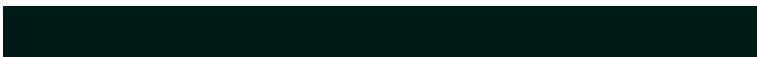
15.8893, 0.1901, 0.2043



10.1915, 0.3001, 0.3317



25.4277, 0.2351, 0.3664



0.9017, 0.2322, 0.3557

Inverse Universe

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



10.1270, 0.6250, 0.3217



18.1167, 0.6275, 0.3230



14.0958, 0.5788, 0.3787



9.0293, 0.3269, 0.3263



7.0691, 0.6230, 0.3206



0.2550, 0.5709, 0.2919

Previews

White Background



This preview shows how the Yxy color 36.4402, 0.2352, 0.3669 looks on a white background.

Color Contrast Check

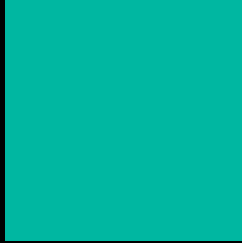
Large Text (above 18pt) WCAG AA × Fail

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 36.4402, 0.2352, 0.3669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

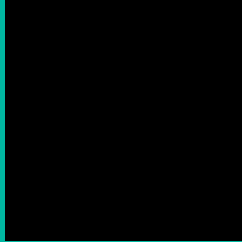
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

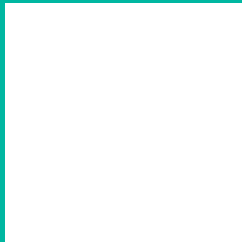
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4402, 0.2352, 0.3669

Background



This preview shows how black text looks on a background with the Yxy color 36.4402, 0.2352, 0.3669.

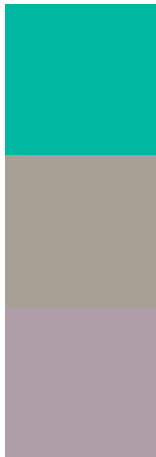


This preview shows how white text looks on a background with the Yxy color 36.4402, 0.2352, 0.3669.

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

36.4402, 0.2352, 0.3669

Protanopia

35.8752, 0.3294, 0.3465

Deuteranopia

36.0179, 0.3212, 0.3151



Tritanopia

36.3440, 0.2249, 0.3049

Trichromacy



Original Color

36.4402, 0.2352, 0.3669



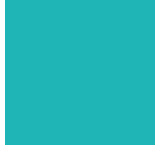
Protanomaly

33.7400, 0.2727, 0.3555



Deuteranomaly

33.3686, 0.2672, 0.3305



Tritanomaly

36.2700, 0.2275, 0.3271

Monochromacy



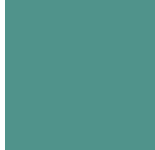
Original Color

36.4402, 0.2352, 0.3669



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.4370, 0.2591, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4402, 0.2352, 0.3669 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 161) }
```

Border

The CSS property to change the border of an element to Yxy 36.4402, 0.2352, 0.3669 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, 161) }
```

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

```
.border{ border-color:rgb(0, 183, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4402, 0.2352, 0.3669 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, 161) }
```

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

```
.background{ background-color: rgb(0, 183,  
161) }
```

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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