

Converting Colors

$Y_{xy}(34.8735, 0.2239, 0.3628)$

Have a look what the booklet for
Yxy(34.8735, 0.2239, 0.3628)
contains.

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Color

Yxy(35.6564, 0.2338, 0.3618)

Conversions

Conversions Part 1

Format	Color
Hex	00B5A2
RGB	0, 181, 162
RGB Percent	0%, 71%, 64%
CMY	1.0000, 0.2902, 0.3647
CMYK	1.00, 0.00, 0.10, 0.29
HSL	174°, 100%, 35%
HSV	174°, 100%, 71%
XYZ	23.0416, 35.6564, 39.8547
YIQ	124.7150, -101.7770, -44.2810

Conversions

Conversions Part 2

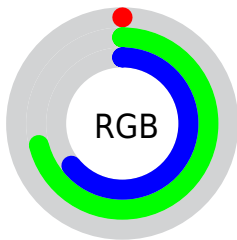
Format	Color
RYB	0, 96, 181
Decimal	46498
CIELab	66.26, -42.79, -1.24
CIELCh	66, 42.806, 181.666
Yxy	35.6564, 0.2338, 0.3618
Android (android.graphics.Color)	4278236578 (0xFF00B5A2)
YUV	124.7150, 18.3815, -109.3751
Hunter-Lab	59.7130, -35.6193, 2.2267

Details

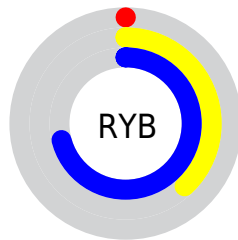
The Yxy color **35.6564, 0.2338, 0.3618** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.8719, 0.6275, 0.3230**, and the grayscale version is **20.3725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7002, 0.2487, 0.3558**, and **16.3264, 0.2354, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **35.6607, 0.2338, 0.3618**, and if you desaturate by 10%, it is **35.8584, 0.2345, 0.3583**.

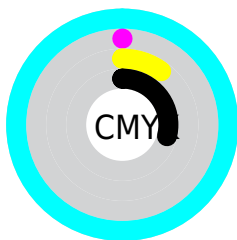
Distribution



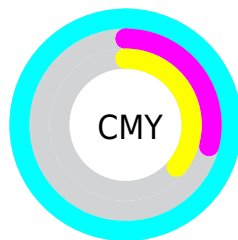
- Red (0%)
- Green (71%)
- Blue (64%)



- Red (0%)
- Yellow (38%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6564, 0.2338, 0.3618 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 35.6564, 0.2338, 0.3618 by changing the saturation by 10% instead.


 35.6564, 0.2338,
0.3618

 35.6564, 0.2338,
0.3618


327.4562, 0.2745,
0.3451


 24.1689, 0.2233,
0.3660


 68.5014, 0.2488,
0.3557


 15.4590, 0.2097,
0.3715

 90.6277, 0.2544,
0.3534

 9.1421, 0.1914,
0.3788


 117.0691, 0.2591,
0.3514

 4.8340, 0.1655,
0.3889

 148.2100, 0.2631,
0.3498

 2.1502, 0.1252,
0.4043

 184.4348, 0.2665,
0.3484

 0.6926, 0.0000,
0.4516

 226.1278, 0.2695,

 0.0000, 0.0000,

0.3471

0.0000

273.6735, 0.2721,
0.3460

■ 35.6564, 0.2338,
0.3618

■ 35.6564, 0.2338,
0.3618

■ 35.6607, 0.2338,
0.3618

■ 35.8584, 0.2345,
0.3583

■ 36.1766, 0.2365,
0.3547

■ 36.6607, 0.2404,
0.3511

■ 37.3325, 0.2462,
0.3475

■ 38.2105, 0.2538,
0.3440

■ 39.3110, 0.2631,
0.3406

■ 40.6486, 0.2739,
0.3374

■ 42.2367, 0.2860,
0.3344

■ 44.0877, 0.2990,
0.3316

Harmonies

Analogous

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



35.6564, 0.2871, 0.4231



35.6564, 0.2338, 0.3618



35.6564, 0.2032, 0.2959

Triad

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



35.6564, 0.2338, 0.3618



35.6564, 0.2655, 0.2323



35.6564, 0.4398, 0.3915

Complementary

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



35.6564, 0.2338, 0.3618



9.8719, 0.6275, 0.3230

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.



35.6564, 0.4360, 0.3421



35.6564, 0.2338, 0.3618



35.6564, 0.3288, 0.2555

Square

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



35.6564, 0.2338, 0.3618



35.6564, 0.2202, 0.2292



35.6564, 0.3937, 0.2943



35.6564, 0.4069, 0.4327

Rectangle

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



35.6564, 0.2338, 0.3618



35.6564, 0.1974, 0.2623



35.6564, 0.3937, 0.2943



35.6564, 0.4430, 0.3753

Sweetspot

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



35.6607, 0.2338, 0.3618



72.6616, 0.2734, 0.3376



33.2124, 0.3030, 0.5976



15.4806, 0.2687, 0.3389



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.6607, 0.2338, 0.3618



63.8398, 0.2340, 0.3624



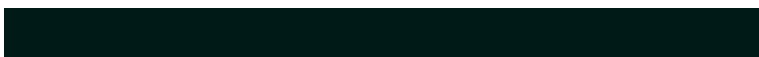
14.8418, 0.1885, 0.1985



9.6159, 0.2999, 0.3314



24.5869, 0.2337, 0.3614



0.7780, 0.2310, 0.3514

Inverse Universe

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



9.8719, 0.6275, 0.3230



17.6627, 0.6298, 0.3243



14.1289, 0.5741, 0.3824



8.5193, 0.3271, 0.3266



6.8099, 0.6256, 0.3220



0.2190, 0.5756, 0.2945

Previews

White Background



This preview shows how the Yxy color 35.6564, 0.2338, 0.3618 looks on a white background.

Color Contrast Check

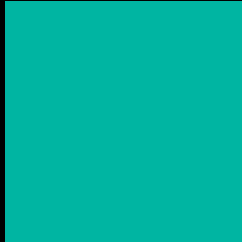
Large Text (above 18pt) WCAG AA × Fail

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 35.6564, 0.2338, 0.3618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

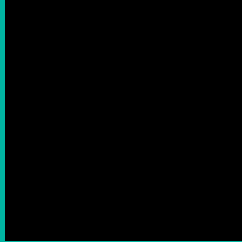
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6564, 0.2338, 0.3618

Background



This preview shows how black text looks on a background with the Yxy color 35.6564, 0.2338, 0.3618.

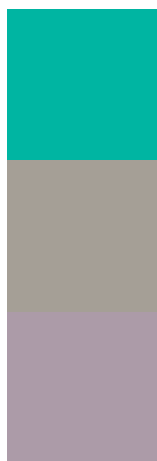


This preview shows how white text looks on a background with the Yxy color 35.6564, 0.2338, 0.3618.

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

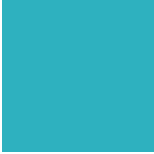
35.6564, 0.2338, 0.3618

Protanopia

34.9976, 0.3268, 0.3422

Deuteranopia

35.0405, 0.3175, 0.3107



Tritanopia

35.7867, 0.2247, 0.3063

Trichromacy



Original Color

35.6564, 0.2338, 0.3618



Protanomaly

32.9738, 0.2709, 0.3506



Deuteranomaly

32.5553, 0.2647, 0.3256



Tritanomaly

35.3973, 0.2268, 0.3254

Monochromacy



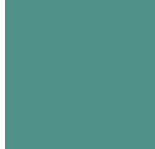
Original Color

35.6564, 0.2338, 0.3618



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.7912, 0.2593, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6564, 0.2338, 0.3618 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, 181, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 162)  
}
```

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, 181, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 162) }
```

Border

The CSS property to change the border of an element to Yxy 35.6564, 0.2338, 0.3618 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, 181, 162) }
```

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

```
.border{ border-color:rgb(0, 181, 162) }
```

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

Here you see how a box with a 4 pixel rgb(0, 181, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6564, 0.2338, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 162) }
```

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

```
.background{ background-color: rgb(0, 181,  
162) }
```

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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