

Converting Colors

$Y_{xy}(35.5158, 0.2364, 0.3702)$

Have a look what the booklet for
Yxy(35.5158, 0.2364, 0.3702)
contains.

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Color

Yxy(35.5014, 0.2366, 0.3709)

Conversions

Conversions Part 1

Format	Color
Hex	03B59D
RGB	3, 181, 157
RGB Percent	1%, 71%, 62%
CMY	0.9891, 0.2902, 0.3842
CMYK	0.98, 0.00, 0.13, 0.29
HSL	172°, 97%, 36%
HSV	172°, 98%, 71%
XYZ	22.6466, 35.5014, 37.5689
YIQ	125.0420, -98.3840, -45.2000

Conversions

Conversions Part 2

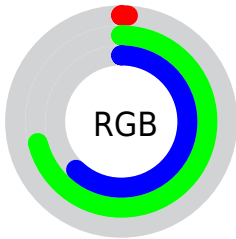
Format	Color
RYB	3, 98, 181
Decimal	243101
CIELab	66.14, -44.07, 1.34
CIElCh	66, 44.086, 178.260
Yxy	35.5014, 0.2366, 0.3709
Android (android.graphics.Color)	4278433181 (0xFF03B59D)
YUV	125.0420, 15.7553, -107.0308
Hunter-Lab	59.5831, -36.4252, 4.3240

Details

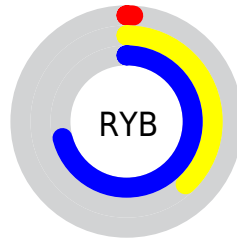
The Yxy color **35.5014, 0.2366, 0.3709** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.9624, 0.6186, 0.3196**, and the grayscale version is **20.4712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4489, 0.2517, 0.3638**, and **16.2194, 0.2390, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **35.4722, 0.2366, 0.3716**, and if you desaturate by 10%, it is **35.7269, 0.2371, 0.3663**.

Distribution



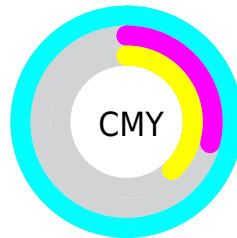
- Red (1%)
- Green (71%)
- Blue (62%)



- Red (1%)
- Yellow (38%)
- Blue (71%)



- Cyan (98%)
- Magenta (0%)
- Yellow (13%)
- Black (29%)





- Cyan (99%)
- Magenta (29%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5014, 0.2366, 0.3709 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 35.5014, 0.2366, 0.3709 by changing the saturation by 10% instead.


 35.5014, 0.2366,
0.3709


 35.5014, 0.2366,
0.3709


 326.7760, 0.2761,
0.3490


 24.0494, 0.2263,
0.3767


 68.2618, 0.2513,
0.3627


 15.3702, 0.2130,
0.3842


 90.3389, 0.2567,
0.3597


 9.0796, 0.1948,
0.3945


 116.7266, 0.2612,
0.3572

 4.7932, 0.1691,
0.4094

 147.8091, 0.2651,
0.3551

 2.1264, 0.1270,
0.4339

 183.9709, 0.2684,
0.3532

 0.6794, 0.0000,
0.5125

 225.5964, 0.2713,

 0.0000, 0.0000,

0.3517

0.0000

273.0700, 0.2738,
0.3503

■ 35.5014, 0.2366,
0.3709

■ 35.5014, 0.2366,
0.3709

■ 35.4722, 0.2366,
0.3716

■ 35.7269, 0.2371,
0.3663

■ 36.0854, 0.2392,
0.3616

■ 36.6139, 0.2432,
0.3569

■ 37.3338, 0.2490,
0.3522

■ 38.2631, 0.2567,
0.3477

■ 39.4179, 0.2660,
0.3434

■ 40.8126, 0.2768,
0.3392

■ 42.4604, 0.2886,
0.3354

■ 44.3736, 0.3014,
0.3318

Harmonies

Analogous

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



35.5014, 0.2933, 0.4318



35.5014, 0.2366, 0.3709



35.5014, 0.2023, 0.3016

Triad

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



35.5014, 0.2366, 0.3709



35.5014, 0.2576, 0.2282



35.5014, 0.4452, 0.3872

Complementary

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



35.5014, 0.2366, 0.3709



9.9624, 0.6186, 0.3196

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.



35.5014, 0.4368, 0.3363



35.5014, 0.2366, 0.3709



35.5014, 0.3212, 0.2499

Square

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



35.5014, 0.2366, 0.3709



35.5014, 0.2139, 0.2276



35.5014, 0.3893, 0.2881



35.5014, 0.4149, 0.4316

Rectangle

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



35.5014, 0.2366, 0.3709



35.5014, 0.1944, 0.2652



35.5014, 0.3893, 0.2881



35.5014, 0.4471, 0.3704

Sweetspot

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



35.5028, 0.2366, 0.3709



72.5473, 0.2745, 0.3400



33.3243, 0.3047, 0.5951



15.4528, 0.2700, 0.3417



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.



35.5028, 0.2366, 0.3709



63.5016, 0.2368, 0.3724



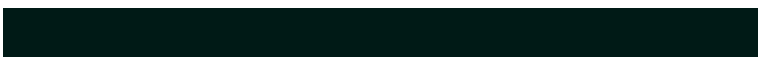
16.4581, 0.1926, 0.2124



9.6115, 0.3003, 0.3321



24.4599, 0.2364, 0.3710



0.7750, 0.2328, 0.3581

Inverse Universe

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



9.9624, 0.6186, 0.3196



17.6961, 0.6249, 0.3216



13.6284, 0.5792, 0.3764



8.5233, 0.3267, 0.3260



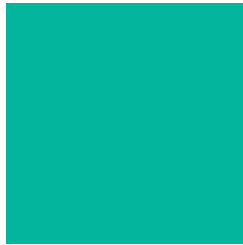
6.8249, 0.6200, 0.3189



0.2206, 0.5605, 0.2861

Previews

White Background



This preview shows how the Yxy color 35.5014, 0.2366, 0.3709 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 35.5014, 0.2366, 0.3709 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

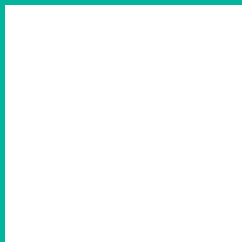
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5014, 0.2366, 0.3709

Background



This preview shows how black text looks on a background with the Yxy color 35.5014, 0.2366, 0.3709.

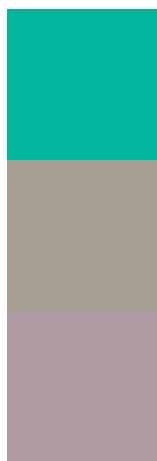


This preview shows how white text looks on a background with the Yxy color 35.5014, 0.2366, 0.3709.

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

35.5014, 0.2366, 0.3709

Protanopia

34.9476, 0.3325, 0.3496

Deuteranopia

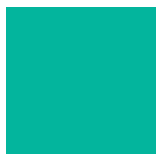
35.0857, 0.3241, 0.3178



Tritanopia

35.4652, 0.2250, 0.3046

Trichromacy



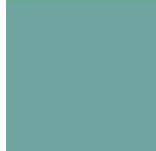
Original Color

35.5014, 0.2366, 0.3709



Protanomaly

32.9332, 0.2760, 0.3592



Deuteranomaly

32.5689, 0.2705, 0.3338



Tritanomaly

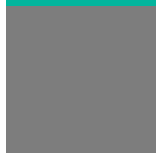
35.4025, 0.2278, 0.3271

Monochromacy



Original Color

35.5014, 0.2366, 0.3709



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.8063, 0.2608, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5014, 0.2366, 0.3709 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(3, 181, 157)` looks like.

```
.text, #text, p{  
    color:rgb(3, 181, 157)  
}
```

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(3, 181, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 181, 157) }
```

Border

The CSS property to change the border of an element to Yxy 35.5014, 0.2366, 0.3709 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(3, 181, 157) }
```

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

```
.border{ border-color:rgb(3, 181, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 181, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 181, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 181, 157);  
box-shadow:4px 4px 4px 4px rgb(3, 181,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5014, 0.2366, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 181, 157) }
```

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

```
.background{ background-color: rgb(3, 181,  
157) }
```

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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