

Converting Colors

$Yxy(34.7723, 0.2306, 0.3601)$

Have a look what the booklet for
Yxy(34.7723, 0.2306, 0.3601)
contains.

Yxy(34.8488, 0.2329, 0.3585)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.8488, 0.2329, 0.3585)

Conversions

Conversions Part 1

Format	Color
Hex	00B3A2
RGB	0, 179, 162
RGB Percent	0%, 70%, 64%
CMY	1.0000, 0.2980, 0.3647
CMYK	1.00, 0.00, 0.09, 0.30
HSL	174°, 100%, 35%
HSV	174°, 100%, 70%
XYZ	22.6396, 34.8488, 39.7189
YIQ	123.5410, -101.2270, -43.2350

Conversions

Conversions Part 2

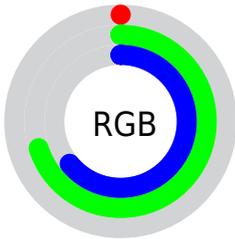
Format	Color
RYB	0, 94, 179
Decimal	45986
CIELab	65.63, -41.92, -2.16
CIELCh	66, 41.971, 182.951
Yxy	34.8488, 0.2329, 0.3585
Android (android.graphics.Color)	4278236066 (0xFF00B3A2)
YUV	123.5410, 18.9603, -108.3455
Hunter-Lab	59.0329, -34.8514, 1.4311

Details

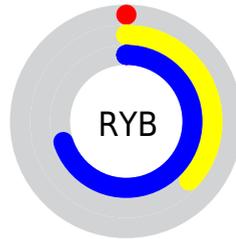
The Yxy color **34.8488, 0.2329, 0.3585** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.6249, 0.6290, 0.3238**, and the grayscale version is **19.9581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5420, 0.2482, 0.3533**, and **15.8149, 0.2342, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **34.8517, 0.2329, 0.3585**, and if you desaturate by 10%, it is **35.0403, 0.2337, 0.3553**.

Distribution



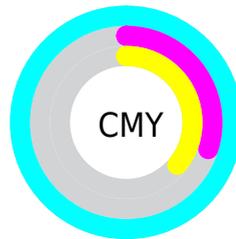
- Red (0%)
- Green (70%)
- Blue (64%)



- Red (0%)
- Yellow (37%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8488, 0.2329, 0.3585 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 34.8488, 0.2329, 0.3585 by changing the saturation by 10% instead.

 34.8488, 0.2329,
0.3585

 34.8488, 0.2329,
0.3585

 323.9004, 0.2741,
0.3436

 23.5464, 0.2223,
0.3622

 67.2515, 0.2482,
0.3530

 14.9975, 0.2084,
0.3670

 89.1206, 0.2538,
0.3510

 8.8176, 0.1898,
0.3734

 115.2807, 0.2585,
0.3493

 4.6224, 0.1634,
0.3820

 146.1162, 0.2626,
0.3478

 2.0275, 0.1212,
0.3953

 182.0116, 0.2661,
0.3465

 0.6234, 0.0000,
0.4290

 223.3511, 0.2691,

 0.0000, 0.0000,

0.3454

0.0000

270.5193, 0.2718,
0.3444

■ 34.8488, 0.2329,
0.3585

■ 34.8488, 0.2329,
0.3585

■ 34.8517, 0.2329,
0.3585

■ 35.0403, 0.2337,
0.3553

■ 35.3458, 0.2358,
0.3521

■ 35.8129, 0.2398,
0.3489

■ 36.4627, 0.2456,
0.3457

■ 37.3132, 0.2533,
0.3425

■ 38.3802, 0.2627,
0.3395

■ 39.6781, 0.2736,
0.3366

■ 41.2198, 0.2858,
0.3338

■ 43.0175, 0.2989,
0.3313

Harmonies

Analogous

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



34.8488, 0.2849, 0.4199



34.8488, 0.2329, 0.3585



34.8488, 0.2036, 0.2940

Triad

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



34.8488, 0.2329, 0.3585



34.8488, 0.2684, 0.2339



34.8488, 0.4376, 0.3929

Complementary

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



34.8488, 0.2329, 0.3585



9.6249, 0.6290, 0.3238

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.



34.8488, 0.4355, 0.3442



34.8488, 0.2329, 0.3585



34.8488, 0.3315, 0.2576

Square

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



34.8488, 0.2329, 0.3585



34.8488, 0.2226, 0.2300



34.8488, 0.3951, 0.2966



34.8488, 0.4039, 0.4329

Rectangle

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



34.8488, 0.2329, 0.3585



34.8488, 0.1986, 0.2614



34.8488, 0.3951, 0.2966



34.8488, 0.4413, 0.3770

Sweetspot

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



34.8517, 0.2329, 0.3585



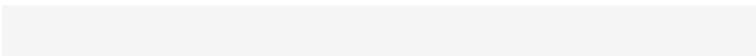
70.9287, 0.2730, 0.3367



32.3705, 0.3024, 0.5981



15.4902, 0.2683, 0.3379



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.



34.8517, 0.2329, 0.3585



62.3953, 0.2331, 0.3590



13.8548, 0.1869, 0.1927



9.6174, 0.2998, 0.3312



24.6311, 0.2328, 0.3581



0.7790, 0.2303, 0.3492

Inverse Universe

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



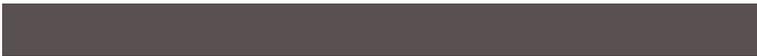
9.6249, 0.6290, 0.3238



17.2222, 0.6311, 0.3250



14.1680, 0.5693, 0.3862



8.5179, 0.3273, 0.3269



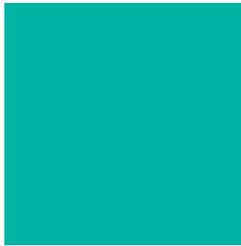
6.8055, 0.6272, 0.3229



0.2184, 0.5810, 0.2975

Previews

White Background



This preview shows how the Yxy color 34.8488, 0.2329, 0.3585 looks on a white background.

Color Contrast Check

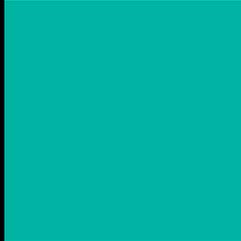
Large Text (above 18pt) WCAG AA × Fail

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 34.8488, 0.2329, 0.3585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

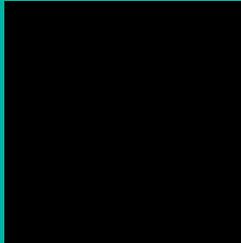
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

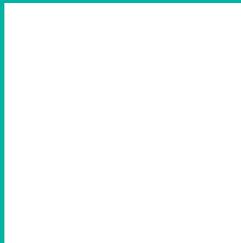
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8488, 0.2329, 0.3585

Background



This preview shows how black text looks on a background with the Yxy color 34.8488, 0.2329, 0.3585.

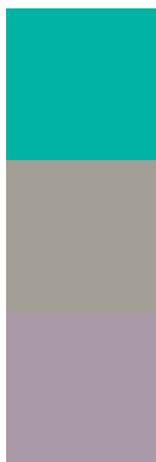


This preview shows how white text looks on a background with the Yxy color 34.8488, 0.2329, 0.3585.

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

34.8488, 0.2329, 0.3585

Protanopia

34.4423, 0.3249, 0.3408

Deuteranopia

34.4844, 0.3156, 0.3092



Tritanopia

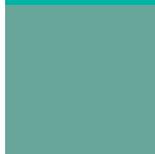
34.8920, 0.2245, 0.3060

Trichromacy



Original Color

34.8488, 0.2329, 0.3585



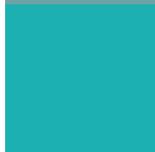
Protanomaly

32.5486, 0.2700, 0.3490



Deuteranomaly

32.1357, 0.2638, 0.3239



Tritanomaly

34.5666, 0.2263, 0.3237

Monochromacy



Original Color

34.8488, 0.2329, 0.3585



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.4438, 0.2583, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8488, 0.2329, 0.3585 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, 179, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 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, 179, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 162) }
```

Border

The CSS property to change the border of an element to Yxy 34.8488, 0.2329, 0.3585 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, 179, 162) }
```

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

```
.border{ border-color:rgb(0, 179, 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, 179, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
162) }
```

Background

The CSS property to change the background color of an element to Yxy 34.8488, 0.2329, 0.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 162) }
```

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

```
.background{ background-color: rgb(0, 179,  
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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