

Converting Colors

$Y_{xy}(34.6643, 0.2325, 0.3569)$

Have a look what the booklet for
Yxy(34.6643, 0.2325, 0.3569)
contains.

Yxy(34.4494, 0.2325, 0.3568)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.4494, 0.2325, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	01B2A2
RGB	1, 178, 162
RGB Percent	0%, 70%, 64%
CMY	0.9976, 0.3020, 0.3647
CMYK	1.00, 0.00, 0.09, 0.30
HSL	175°, 99%, 35%
HSV	175°, 100%, 70%
XYZ	22.4481, 34.4494, 39.6535
YIQ	123.2530, -100.3560, -42.5000

Conversions

Conversions Part 2

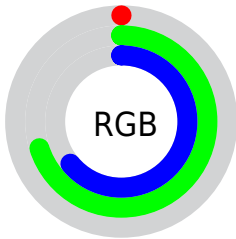
Format	Color
RYB	1, 94, 178
Decimal	111266
CIELab	65.32, -41.44, -2.62
CIELCh	65, 41.525, 183.620
Yxy	34.4494, 0.2325, 0.3568
Android (android.graphics.Color)	4278301346 (0xFF01B2A2)
YUV	123.2530, 19.1023, -107.2159
Hunter-Lab	58.6936, -34.4443, 1.0291

Details

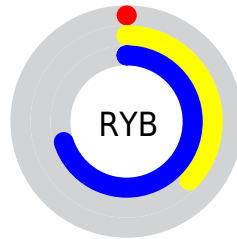
The Yxy color **34.4494, 0.2325, 0.3568** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.5165, 0.6289, 0.3242**, and the grayscale version is **19.8137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3968, 0.2477, 0.3508**, and **15.5630, 0.2335, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **34.4448, 0.2325, 0.3569**, and if you desaturate by 10%, it is **34.6367, 0.2333, 0.3538**.

Distribution



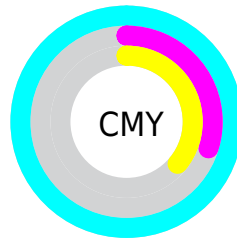
- Red (0%)
- Green (70%)
- Blue (64%)



- 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 34.4494, 0.2325, 0.3568 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 34.4494, 0.2325, 0.3568 by changing the saturation by 10% instead.


 34.4494, 0.2325,
0.3568


 34.4494, 0.2325,
0.3568

322.1313, 0.2740,
0.3428


 23.2391, 0.2218,
0.3603


 66.6319, 0.2479,
0.3517

 14.7701, 0.2078,
0.3647


 88.3729, 0.2535,
0.3498

 8.6582, 0.1890,
0.3706


 114.3928, 0.2583,
0.3482

 4.5189, 0.1625,
0.3784

 145.0762, 0.2624,
0.3468

 1.9679, 0.1191,
0.3906

 180.8073, 0.2659,
0.3456

 0.5887, 0.0000,
0.4166

 221.9706, 0.2689,

 0.0000, 0.0000,

0.3445

0.0000

268.9505, 0.2716,
0.3436

■ 34.4494, 0.2325,
0.3568

■ 34.4494, 0.2325,
0.3568

■ 34.4448, 0.2325,
0.3569

■ 34.6367, 0.2333,
0.3538

■ 34.9411, 0.2356,
0.3508

■ 35.4056, 0.2396,
0.3477

■ 36.0511, 0.2456,
0.3447

■ 36.8950, 0.2534,
0.3417

■ 37.9531, 0.2628,
0.3388

■ 39.2393, 0.2738,
0.3361

■ 40.7665, 0.2861,
0.3335

■ 42.5464, 0.2993,
0.3311

Harmonies

Analogous

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



34.4494, 0.2838, 0.4181



34.4494, 0.2325, 0.3568



34.4494, 0.2039, 0.2930

Triad

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



34.4494, 0.2325, 0.3568



34.4494, 0.2700, 0.2348



34.4494, 0.4364, 0.3936

Complementary

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



34.4494, 0.2325, 0.3568



9.5165, 0.6289, 0.3242

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.



34.4494, 0.4351, 0.3452



34.4494, 0.2325, 0.3568



34.4494, 0.3329, 0.2588

Square

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



34.4494, 0.2325, 0.3568



34.4494, 0.2240, 0.2304



34.4494, 0.3958, 0.2978



34.4494, 0.4023, 0.4329

Rectangle

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



34.4494, 0.2325, 0.3568



34.4494, 0.1993, 0.2610



34.4494, 0.3958, 0.2978



34.4494, 0.4404, 0.3779

Sweetspot

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



34.4507, 0.2325, 0.3568



70.9472, 0.2728, 0.3363



31.9710, 0.3025, 0.5978



15.4948, 0.2681, 0.3374



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.



34.4507, 0.2325, 0.3568



62.4518, 0.2326, 0.3574



13.7415, 0.1871, 0.1932



9.6181, 0.2997, 0.3310



24.6529, 0.2324, 0.3566



0.7795, 0.2300, 0.3481

Inverse Universe

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



9.5165, 0.6289, 0.3242



17.2180, 0.6318, 0.3254



14.0438, 0.5684, 0.3865



8.5173, 0.3273, 0.3270



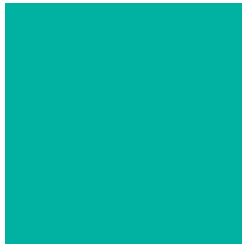
6.8034, 0.6280, 0.3233



0.2181, 0.5837, 0.2989

Previews

White Background



This preview shows how the Yxy color 34.4494, 0.2325, 0.3568 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 34.4494, 0.2325, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

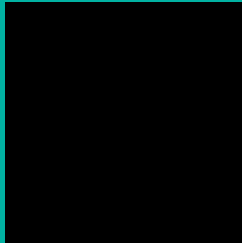
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4494, 0.2325, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 34.4494, 0.2325, 0.3568.

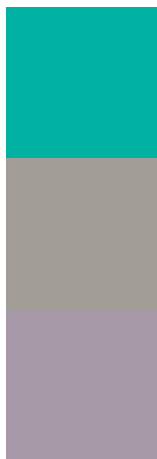


This preview shows how white text looks on a background with the Yxy color 34.4494, 0.2325, 0.3568.

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

34.4559, 0.2325, 0.3568

Protanopia

33.9973, 0.3241, 0.3394

Deuteranopia

33.9344, 0.3137, 0.3076



Tritanopia

34.4384, 0.2243, 0.3059

Trichromacy



Original Color

34.4559, 0.2325, 0.3568



Protanomaly

32.1269, 0.2691, 0.3474



Deuteranomaly

31.7196, 0.2628, 0.3223



Tritanomaly

34.1615, 0.2257, 0.3220

Monochromacy



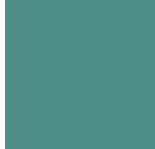
Original Color

34.4559, 0.2325, 0.3568



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.0708, 0.2580, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4494, 0.2325, 0.3568 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(1, 178, 162)` looks like.

```
.text, #text, p{  
    color:rgb(1, 178, 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(1, 178, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 178, 162) }
```

Border

The CSS property to change the border of an element to Yxy 34.4494, 0.2325, 0.3568 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(1, 178, 162) }
```

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

```
.border{ border-color:rgb(1, 178, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 178, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 178, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 178, 162);  
box-shadow:4px 4px 4px 4px rgb(1, 178,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4494, 0.2325, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 178, 162) }
```

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

```
.background{ background-color: rgb(1, 178,  
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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