

Converting Colors

$Yxy(33.9587, 0.2353, 0.3647)$

Have a look what the booklet for
Yxy(33.9587, 0.2353, 0.3647)
contains.

Yxy(33.9302, 0.2352, 0.3643)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.9302, 0.2352, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	08B19D
RGB	8, 177, 157
RGB Percent	3%, 69%, 62%
CMY	0.9699, 0.3059, 0.3842
CMYK	0.96, 0.00, 0.11, 0.31
HSL	173°, 92%, 36%
HSV	173°, 96%, 69%
XYZ	21.9061, 33.9302, 37.3018
YIQ	124.1890, -94.3040, -42.0480

Conversions

Conversions Part 2

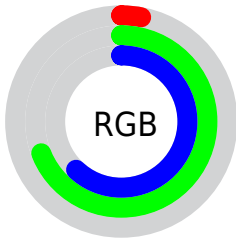
Format	Color
RYB	8, 98, 177
Decimal	569757
CIELab	64.91, -42.18, -0.45
CIELCh	65, 42.182, 180.609
Yxy	33.9302, 0.2352, 0.3643
Android (android.graphics.Color)	4278759837 (0xFF08B19D)
YUV	124.1890, 16.1758, -101.8978
Hunter-Lab	58.2496, -34.8080, 2.8067

Details

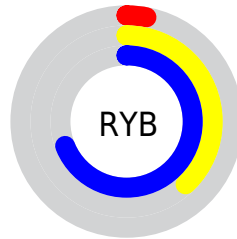
The Yxy color **33.9302, 0.2352, 0.3643** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **9.5965, 0.6145, 0.3201**, and the grayscale version is **20.1577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5776, 0.2505, 0.3576**, and **15.2065, 0.2365, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **33.8512, 0.2350, 0.3660**, and if you desaturate by 10%, it is **34.1654, 0.2362, 0.3603**.

Distribution



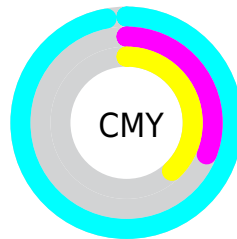
- Red (3%)
- Green (69%)
- Blue (62%)



- Red (3%)
- Yellow (38%)
- Blue (69%)



- Cyan (96%)
- Magenta (0%)
- Yellow (11%)
- Black (31%)




- Cyan (97%)
- Magenta (31%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9302, 0.2352, 0.3643 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 33.9302, 0.2352, 0.3643 by changing the saturation by 10% instead.

 33.9302, 0.2352,
0.3643


 33.9302, 0.2352,
0.3643


 319.8207, 0.2755,
0.3460

 22.8400, 0.2247,
0.3691


 65.8251, 0.2502,
0.3575


 14.4754, 0.2109,
0.3753


 87.3986, 0.2557,
0.3550


 8.4520, 0.1922,
0.3836


 113.2353, 0.2604,
0.3529

 4.3855, 0.1655,
0.3955

 143.7196, 0.2643,
0.3511

 1.8915, 0.1186,
0.4164

 179.2359, 0.2677,
0.3496

 0.5432, 0.0000,
0.4659

 220.1686, 0.2707,

 0.0000, 0.0000,

0.3482

0.0000

266.9020, 0.2733,
0.3470

■ 33.9302, 0.2352,
0.3643

■ 33.9302, 0.2352,
0.3643

■ 33.8512, 0.2350,
0.3660

■ 34.1654, 0.2362,
0.3603

■ 34.5423, 0.2390,
0.3562

■ 35.0864, 0.2436,
0.3521

■ 35.8169, 0.2501,
0.3481

■ 36.7502, 0.2584,
0.3442

■ 37.9011, 0.2682,
0.3405

■ 39.2828, 0.2795,
0.3370

■ 40.9076, 0.2918,
0.3336

■ 42.7869, 0.3050,
0.3306

Harmonies

Analogous

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



33.9302, 0.2892, 0.4250



33.9302, 0.2352, 0.3643



33.9302, 0.2036, 0.2979

Triad

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



33.9302, 0.2352, 0.3643



33.9302, 0.2634, 0.2317



33.9302, 0.4405, 0.3899

Complementary

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



33.9302, 0.2352, 0.3643



9.5965, 0.6145, 0.3201

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.



33.9302, 0.4353, 0.3403



33.9302, 0.2352, 0.3643



33.9302, 0.3264, 0.2543

Square

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



33.9302, 0.2352, 0.3643



33.9302, 0.2189, 0.2294



33.9302, 0.3918, 0.2926



33.9302, 0.4087, 0.4317

Rectangle

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



33.9302, 0.2352, 0.3643



33.9302, 0.1972, 0.2637



33.9302, 0.3918, 0.2926



33.9302, 0.4433, 0.3736

Sweetspot

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



33.9315, 0.2352, 0.3643



69.3514, 0.2750, 0.3383



31.7435, 0.3046, 0.5929



14.8098, 0.2704, 0.3398



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.9315, 0.2352, 0.3643



60.5997, 0.2352, 0.3667



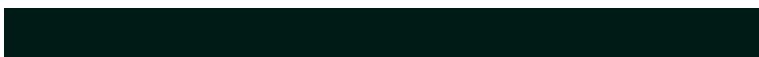
15.4661, 0.1927, 0.2105



9.6139, 0.3001, 0.3317



24.5301, 0.2349, 0.3656



0.7767, 0.2318, 0.3543

Inverse Universe

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



9.5965, 0.6145, 0.3201



16.8199, 0.6276, 0.3231



13.7147, 0.5675, 0.3825



8.5210, 0.3269, 0.3263



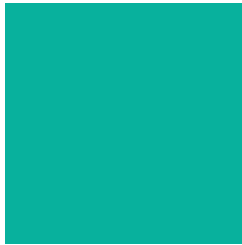
6.8162, 0.6232, 0.3207



0.2197, 0.5688, 0.2907

Previews

White Background



This preview shows how the Yxy color 33.9302, 0.2352, 0.3643 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 33.9302, 0.2352, 0.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

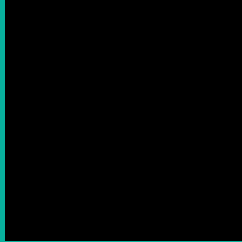
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9302, 0.2352, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 33.9302, 0.2352, 0.3643.

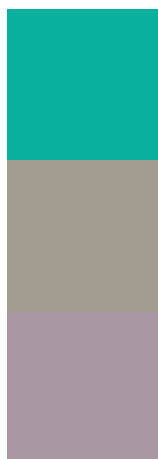


This preview shows how white text looks on a background with the Yxy color 33.9302, 0.2352, 0.3643.

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

33.9302, 0.2352, 0.3643

Protanopia

33.5026, 0.3289, 0.3455

Deuteranopia

33.5358, 0.3195, 0.3132



Tritanopia

34.0793, 0.2251, 0.3058

Trichromacy



Original Color

33.9302, 0.2352, 0.3643



Protanomaly

31.7850, 0.2747, 0.3544



Deuteranomaly

31.3779, 0.2684, 0.3289



Tritanomaly

33.7300, 0.2276, 0.3254

Monochromacy



Original Color

33.9302, 0.2352, 0.3643



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.2163, 0.2617, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9302, 0.2352, 0.3643 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(8, 177, 157)` looks like.

```
.text, #text, p{  
    color:rgb(8, 177, 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(8, 177, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 177, 157) }
```

Border

The CSS property to change the border of an element to Yxy 33.9302, 0.2352, 0.3643 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(8, 177, 157) }
```

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

```
.border{ border-color:rgb(8, 177, 157) }
```

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

Here you see how a box with a 4 pixel rgb(8, 177, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 177, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 177, 157);  
box-shadow:4px 4px 4px 4px rgb(8, 177,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9302, 0.2352, 0.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 177, 157) }
```

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

```
.background{ background-color: rgb(8, 177,  
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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