

Converting Colors

$Y_{xy}(32.0585, 0.2338, 0.3558)$

Have a look what the booklet for
Yxy(32.0585, 0.2338, 0.3558)
contains.

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Color

Yxy(32.0585, 0.2338, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	11AC9D
RGB	17, 172, 157
RGB Percent	7%, 67%, 62%
CMY	0.9344, 0.3255, 0.3843
CMYK	0.90, 0.00, 0.09, 0.33
HSL	174°, 82%, 37%
HSV	174°, 90%, 67%
XYZ	21.0660, 32.0585, 36.9781
YIQ	123.9450, -87.5650, -37.5250

Conversions

Conversions Part 2

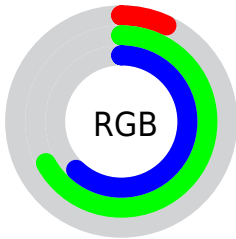
Format	Color
RYB	17, 98, 172
Decimal	1158301
CIELab	63.39, -39.62, -2.66
CIELCh	63, 39.705, 183.836
Yxy	32.0585, 0.2338, 0.3558
Android (android.graphics.Color)	4279348381 (0xFF11AC9D)
YUV	123.9450, 16.2961, -93.7908
Hunter-Lab	56.6202, -32.6731, 0.9125

Details

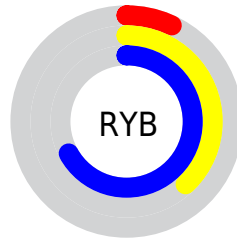
The Yxy color **32.0585, 0.2338, 0.3558** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.2670, 0.6034, 0.3201**, and the grayscale version is **20.0767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8426, 0.2496, 0.3513**, and **14.2343, 0.2339, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **31.8882, 0.2330, 0.3589**, and if you desaturate by 10%, it is **32.3391, 0.2359, 0.3525**.

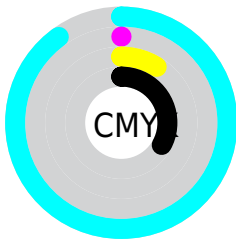
Distribution



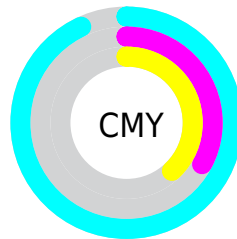
- Red (7%)
- Green (67%)
- Blue (62%)



- Red (7%)
- Yellow (38%)
- Blue (67%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)





- Cyan (93%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0585, 0.2338, 0.3558 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 32.0585, 0.2338, 0.3558 by changing the saturation by 10% instead.


 32.0585, 0.2338,
0.3558


 32.0585, 0.2338,
0.3558


 311.3857, 0.2751,
0.3421


 21.4062, 0.2230,
0.3592


 62.9028, 0.2492,
0.3508


 13.4212, 0.2087,
0.3637

 83.8635, 0.2549,
0.3489


 7.7192, 0.1894,
0.3695


 109.0293, 0.2596,
0.3473

 3.9158, 0.1616,
0.3774

 138.7843, 0.2636,
0.3460

 1.6266, 0.1069,
0.3936

 173.5130, 0.2671,
0.3448

 0.3754, 0.0000,
0.3871

 213.5999, 0.2701,

 0.0000, 0.0000,

0.3438

0.0000

259.4293, 0.2727,
0.3429

■ 32.0585, 0.2338,
0.3558

■ 32.0585, 0.2338,
0.3558

■ 31.8882, 0.2330,
0.3589

■ 32.3391, 0.2359,
0.3525

■ 32.7653, 0.2398,
0.3493

■ 33.3577, 0.2456,
0.3460

■ 34.1326, 0.2533,
0.3428

■ 35.1044, 0.2626,
0.3397

■ 36.2860, 0.2734,
0.3368

■ 37.6893, 0.2855,
0.3340

■ 39.3252, 0.2986,
0.3314

■ 41.2039, 0.3123,
0.3291

Harmonies

Analogous

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



32.0585, 0.2841, 0.4157



32.0585, 0.2338, 0.3558



32.0585, 0.2058, 0.2935

Triad

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



32.0585, 0.2338, 0.3558



32.0585, 0.2713, 0.2365



32.0585, 0.4338, 0.3930

Complementary

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



32.0585, 0.2338, 0.3558



9.2670, 0.6034, 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.



32.0585, 0.4328, 0.3455



32.0585, 0.2338, 0.3558



32.0585, 0.3330, 0.2603

Square

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



32.0585, 0.2338, 0.3558



32.0585, 0.2259, 0.2322



32.0585, 0.3945, 0.2988



32.0585, 0.4004, 0.4312

Rectangle

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



32.0585, 0.2338, 0.3558



32.0585, 0.2014, 0.2621



32.0585, 0.3945, 0.2988



32.0585, 0.4378, 0.3776

Sweetspot

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



32.0597, 0.2338, 0.3558



66.4897, 0.2767, 0.3360



29.8593, 0.3044, 0.5880



14.2795, 0.2729, 0.3369



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.0597, 0.2338, 0.3558



57.8250, 0.2332, 0.3595



14.2252, 0.1931, 0.2075



9.0585, 0.2999, 0.3312



23.7317, 0.2330, 0.3586



0.6640, 0.2302, 0.3487

Inverse Universe

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



9.2670, 0.6034, 0.3201



15.9680, 0.6307, 0.3248



14.3803, 0.5448, 0.3937



8.0275, 0.3272, 0.3268



6.5600, 0.6267, 0.3226



0.1864, 0.5772, 0.2953

Previews

White Background



This preview shows how the Yxy color 32.0585, 0.2338, 0.3558 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 32.0585, 0.2338, 0.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

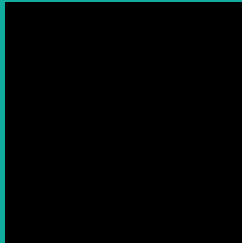
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0585, 0.2338, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 32.0585, 0.2338, 0.3558.

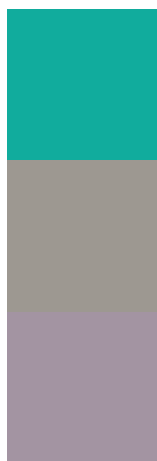


This preview shows how white text looks on a background with the Yxy color 32.0585, 0.2338, 0.3558.

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

32.0585, 0.2338, 0.3558

Protanopia

31.6689, 0.3244, 0.3397

Deuteranopia

31.5750, 0.3147, 0.3084



Tritanopia

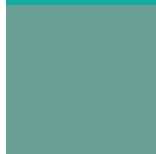
31.9406, 0.2248, 0.3052

Trichromacy



Original Color

32.0585, 0.2338, 0.3558



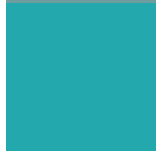
Protanomaly

30.0304, 0.2739, 0.3461



Deuteranomaly

29.9670, 0.2684, 0.3239



Tritanomaly

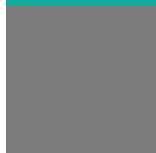
31.7504, 0.2273, 0.3218

Monochromacy



Original Color

32.0585, 0.2338, 0.3558



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.7586, 0.2635, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0585, 0.2338, 0.3558 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(17, 172, 157)` looks like.

```
.text, #text, p{  
    color:rgb(17, 172, 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(17, 172, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 172, 157) }
```

Border

The CSS property to change the border of an element to Yxy 32.0585, 0.2338, 0.3558 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(17, 172, 157) }
```

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

```
.border{ border-color:rgb(17, 172, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 172, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 172, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 172, 157);  
box-shadow:4px 4px 4px 4px rgb(17, 172,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0585, 0.2338, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 172, 157) }
```

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

```
.background{ background-color: rgb(17, 172,  
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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