

Converting Colors

$Yxy(15.5601, 0.1859, 0.3764)$

Have a look what the booklet for
Yxy(15.5601, 0.1859, 0.3764)
contains.

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Color

Yxy(17.1575, 0.2359, 0.3692)

Conversions

Conversions Part 1

Format	Color
Hex	008271
RGB	0, 130, 113
RGB Percent	0%, 51%, 44%
CMY	0.9998, 0.4902, 0.5569
CMYK	1.00, 0.00, 0.13, 0.49
HSL	172°, 100%, 25%
HSV	172°, 100%, 51%
XYZ	10.9628, 17.1575, 18.3518
YIQ	89.1920, -72.0230, -32.8470

Conversions

Conversions Part 2

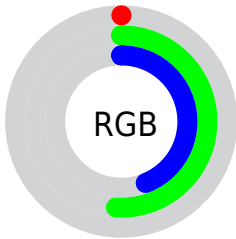
Format	Color
RYB	0, 70, 130
Decimal	33393
CIELab	48.46, -34.45, 0.66
CIELCh	48, 34.455, 178.906
Yxy	17.1575, 0.2359, 0.3692
Android (android.graphics.Color)	4278223473 (0xFF008271)
YUV	89.1920, 11.7373, -78.2214
Hunter-Lab	41.4216, -25.2455, 2.7267

Details

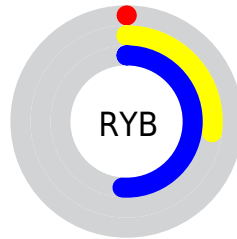
The Yxy color **17.1575, 0.2359, 0.3692** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.7876, 0.6180, 0.3179**, and the grayscale version is **10.0229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7469, 0.2537, 0.3597**, and **6.1190, 0.2401, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **17.1578, 0.2359, 0.3692**, and if you desaturate by 10%, it is **17.2825, 0.2369, 0.3648**.

Distribution



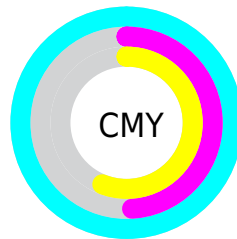
- Red (0%)
- Green (51%)
- Blue (44%)



- Red (0%)
- Yellow (27%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1575, 0.2359, 0.3692 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 17.1575, 0.2359, 0.3692 by changing the saturation by 10% instead.


 17.1575, 0.2359,
0.3692

 17.1575, 0.2359,
0.3692


 236.0784, 0.2803,
0.3459


 10.3468, 0.2223,
0.3764


 38.5964, 0.2538,
0.3598


 5.6295, 0.2029,
0.3868

 53.9934, 0.2599,
0.3565

 2.6211, 0.1734,
0.4026

 73.0213, 0.2649,
0.3539

 0.9373, 0.0250,
0.4783

 96.0645, 0.2691,
0.3518

 0.0000, 0.0000,
0.0000

 123.5075, 0.2726,
0.3499

 155.7345, 0.2755,

0.3484

193.1300, 0.2781,
0.3470

■ 17.1575, 0.2359,
0.3692

■ 17.1575, 0.2359,
0.3692

■ 17.1578, 0.2359,
0.3692

■ 17.2825, 0.2369,
0.3648

■ 17.4562, 0.2392,
0.3604

■ 17.7083, 0.2431,
0.3559

■ 18.0482, 0.2489,
0.3515

■ 18.4839, 0.2564,
0.3473

■ 19.0225, 0.2654,
0.3431

■ 19.6704, 0.2759,
0.3392

■ 20.4336, 0.2874,
0.3355

■ 21.3174, 0.2998,
0.3321

Harmonies

Analogous

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



17.1575, 0.2921, 0.4303



17.1575, 0.2359, 0.3692



17.1575, 0.2023, 0.3004

Triad

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



17.1575, 0.2359, 0.3692



17.1575, 0.2590, 0.2289



17.1575, 0.4444, 0.3881

Complementary

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



17.1575, 0.2359, 0.3692



4.7876, 0.6180, 0.3179

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.



17.1575, 0.4369, 0.3374



17.1575, 0.2359, 0.3692



17.1575, 0.3227, 0.2508

Square

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



17.1575, 0.2359, 0.3692



17.1575, 0.2149, 0.2277



17.1575, 0.3903, 0.2892



17.1575, 0.4135, 0.4320

Rectangle

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



17.1575, 0.2359, 0.3692



17.1575, 0.1948, 0.2645



17.1575, 0.3903, 0.2892



17.1575, 0.4466, 0.3714

Sweetspot

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



17.1582, 0.2359, 0.3692



34.5520, 0.2751, 0.3395



16.0887, 0.3047, 0.5963



7.7261, 0.2713, 0.3408



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.1582, 0.2359, 0.3692



30.1996, 0.2362, 0.3702



7.6995, 0.1911, 0.2081



4.8775, 0.3009, 0.3318



16.4516, 0.2359, 0.3691



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.7876, 0.6180, 0.3179



8.4159, 0.6220, 0.3200



6.8350, 0.5738, 0.3826



4.3527, 0.3259, 0.3262



4.5900, 0.6177, 0.3177



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.1575, 0.2359, 0.3692 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 17.1575, 0.2359, 0.3692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

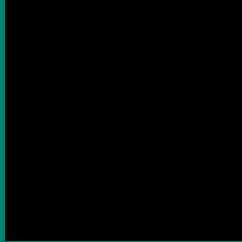
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.1575, 0.2359, 0.3692

Background



This preview shows how black text looks on a background with the Yxy color 17.1575, 0.2359, 0.3692.

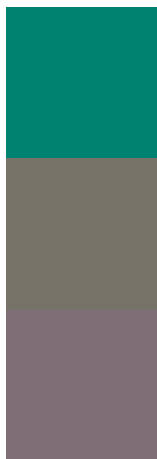


This preview shows how white text looks on a background with the Yxy color 17.1575, 0.2359, 0.3692.

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

17.1575, 0.2359, 0.3692

Protanopia

16.9560, 0.3318, 0.3489

Deuteranopia

17.0132, 0.3240, 0.3176



Tritanopia

17.3422, 0.2266, 0.3071

Trichromacy



Original Color

17.1575, 0.2359, 0.3692

Protanomaly

16.0310, 0.2761, 0.3584

Deuteranomaly

15.9233, 0.2708, 0.3333

Tritanomaly

17.1674, 0.2288, 0.3288

Monochromacy



Original Color

17.1575, 0.2359, 0.3692

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.6523, 0.2614, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1575, 0.2359, 0.3692 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, 130, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 113)  
}
```

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, 130, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 113) }
```

Border

The CSS property to change the border of an element to Yxy 17.1575, 0.2359, 0.3692 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, 130, 113) }
```

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

```
.border{ border-color:rgb(0, 130, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1575, 0.2359, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 113) }
```

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

```
.background{ background-color: rgb(0, 130,  
113) }
```

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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