

Converting Colors

$Yxy(18.4498, 0.1965, 0.3831)$

Have a look what the booklet for
Yxy(18.4498, 0.1965, 0.3831)
contains.

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Color

$Y_{xy}(20.0642, 0.2384, 0.3782)$

Conversions

Conversions Part 1

Format	Color
Hex	008C76
RGB	0, 140, 118
RGB Percent	0%, 55%, 46%
CMY	0.9998, 0.4510, 0.5373
CMYK	1.00, 0.00, 0.16, 0.45
HSL	171°, 100%, 27%
HSV	171°, 100%, 55%
XYZ	12.6476, 20.0642, 20.3401
YIQ	95.6320, -76.3780, -36.5220

Conversions

Conversions Part 2

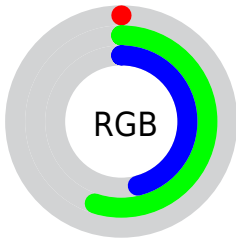
Format	Color
RYB	0, 76, 140
Decimal	35958
CIELab	51.91, -37.45, 2.76
CIELCh	52, 37.550, 175.792
Yxy	20.0642, 0.2384, 0.3782
Android (android.graphics.Color)	4278226038 (0xFF008C76)
YUV	95.6320, 11.0274, -83.8693
Hunter-Lab	44.7931, -27.9875, 4.4322

Details

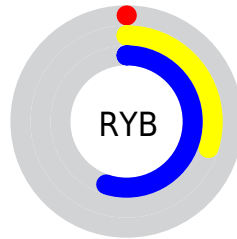
The Yxy color **20.0642, 0.2384, 0.3782** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.6349, 0.6134, 0.3153**, and the grayscale version is **11.5937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3707, 0.2551, 0.3664**, and **7.5870, 0.2427, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **20.0645, 0.2384, 0.3782**, and if you desaturate by 10%, it is **20.2114, 0.2391, 0.3728**.

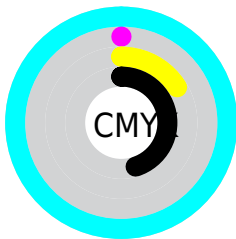
Distribution



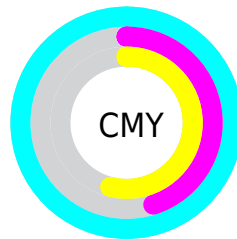
- Red (0%)
- Green (55%)
- Blue (46%)



- Red (0%)
- Yellow (30%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (45%)




- Cyan (100%)
- Magenta (45%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0642, 0.2384, 0.3782 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 20.0642, 0.2384, 0.3782 by changing the saturation by 10% instead.


 20.0642, 0.2384,
0.3782


 20.0642, 0.2384,
0.3782


 252.2625, 0.2806,
0.3499


 12.4417, 0.2258,
0.3869


 43.5248, 0.2552,
0.3668

 7.0453, 0.2082,
0.3992


 60.1317, 0.2610,
0.3629


 3.4904, 0.1820,
0.4180

 80.5022, 0.2658,
0.3597

 1.3928, 0.1129,
0.4639

 105.0207, 0.2698,
0.3571

 0.2114, 0.0000,
0.8492

 134.0716, 0.2731,
0.3548

 0.0000, 0.0000,
0.0000

 168.0392, 0.2760,

0.3529

207.3081, 0.2785,
0.3513

■ 20.0642, 0.2384,
0.3782

■ 20.0642, 0.2384,
0.3782

■ 20.0645, 0.2384,
0.3782

■ 20.2114, 0.2391,
0.3728

■ 20.4194, 0.2410,
0.3673

■ 20.7206, 0.2447,
0.3619

■ 21.1261, 0.2502,
0.3565

■ 21.6458, 0.2575,
0.3512

■ 22.2882, 0.2664,
0.3462

■ 23.0611, 0.2766,
0.3414

■ 23.9714, 0.2879,
0.3369

■ 25.0259, 0.3000,
0.3328

Harmonies

Analogous

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



20.0642, 0.2980, 0.4389



20.0642, 0.2384, 0.3782



20.0642, 0.2012, 0.3059

Triad

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



20.0642, 0.2384, 0.3782



20.0642, 0.2514, 0.2248



20.0642, 0.4499, 0.3841

Complementary

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



20.0642, 0.2384, 0.3782



5.6349, 0.6134, 0.3153

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.



20.0642, 0.4379, 0.3319



20.0642, 0.2384, 0.3782



20.0642, 0.3155, 0.2453

Square

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



20.0642, 0.2384, 0.3782



20.0642, 0.2087, 0.2259



20.0642, 0.3862, 0.2832



20.0642, 0.4213, 0.4310

Rectangle

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



20.0642, 0.2384, 0.3782



20.0642, 0.1917, 0.2672



20.0642, 0.3862, 0.2832



20.0642, 0.4508, 0.3668

Sweetspot

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



20.0650, 0.2384, 0.3782



40.5578, 0.2759, 0.3417



18.9438, 0.3060, 0.5952



9.2235, 0.2720, 0.3435



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.0650, 0.2384, 0.3782



35.3536, 0.2387, 0.3793



9.7843, 0.1941, 0.2189



5.6753, 0.3011, 0.3325



17.8297, 0.2383, 0.3780



0.1201, 0.2311, 0.3518

Inverse Universe

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



5.6349, 0.6134, 0.3153



9.9160, 0.6175, 0.3176



7.5849, 0.5838, 0.3746



5.0606, 0.3257, 0.3256



5.0077, 0.6125, 0.3148



0.0347, 0.5288, 0.2687

Previews

White Background



This preview shows how the Yxy color 20.0642, 0.2384, 0.3782 looks on a white 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

Black Background



This preview shows how the Yxy color 20.0642, 0.2384, 0.3782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

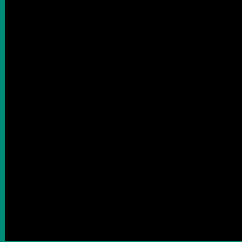
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0642, 0.2384, 0.3782

Background



This preview shows how black text looks on a background with the Yxy color 20.0642, 0.2384, 0.3782.

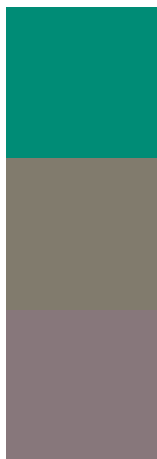


This preview shows how white text looks on a background with the Yxy color 20.0642, 0.2384, 0.3782.

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

20.0642, 0.2384, 0.3782

Protanopia

19.9372, 0.3365, 0.3550

Deuteranopia

19.7746, 0.3282, 0.3219



Tritanopia

20.1660, 0.2271, 0.3064

Trichromacy



Original Color

20.0642, 0.2384, 0.3782

Protanomaly

18.6642, 0.2790, 0.3653

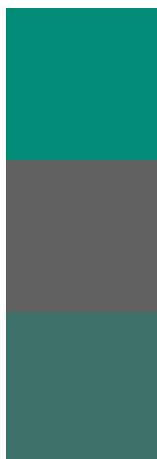
Deuteranomaly

18.5377, 0.2740, 0.3414

Tritanomaly

19.8756, 0.2296, 0.3309

Monochromacy



Original Color

20.0642, 0.2384, 0.3782

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.5799, 0.2621, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0642, 0.2384, 0.3782 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, 140, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 118)  
}
```

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, 140, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 118) }
```

Border

The CSS property to change the border of an element to Yxy 20.0642, 0.2384, 0.3782 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, 140, 118) }
```

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

```
.border{ border-color:rgb(0, 140, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0642, 0.2384, 0.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 118) }
```

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

```
.background{ background-color: rgb(0, 140,  
118) }
```

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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