

Converting Colors

$Yxy(16.8240, 0.2481, 0.4132)$

Have a look what the booklet for
Yxy(16.8240, 0.2481, 0.4132)
contains.

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Color

Yxy(16.8098, 0.2481, 0.4132)

Conversions

Conversions Part 1

Format	Color
Hex	008260
RGB	0, 130, 96
RGB Percent	0%, 51%, 38%
CMY	1.0000, 0.4902, 0.6235
CMYK	1.00, 0.00, 0.26, 0.49
HSL	164°, 100%, 25%
HSV	164°, 100%, 51%
XYZ	10.0932, 16.8098, 13.7790
YIQ	87.2540, -66.5660, -38.1340

Conversions

Conversions Part 2

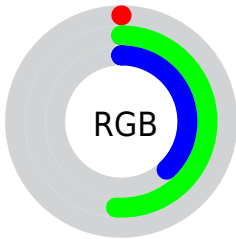
Format	Color
RYB	0, 75, 130
Decimal	33376
CIELab	48.02, -39.17, 9.97
CIELCh	48, 40.420, 165.724
Yxy	16.8098, 0.2481, 0.4132
Android (android.graphics.Color)	4278223456 (0xFF008260)
YUV	87.2540, 4.3118, -76.5218
Hunter-Lab	40.9998, -27.8070, 8.7739

Details

The Yxy color **16.8098, 0.2481, 0.4132** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.8617, 0.5822, 0.2981**, and the grayscale version is **9.5903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0930, 0.2640, 0.3911**, and **5.8223, 0.2563, 0.4425** is the 20% darker color. If you saturate the color by 10%, you get **16.8109, 0.2481, 0.4132**, and if you desaturate by 10%, it is **16.9605, 0.2480, 0.4037**.

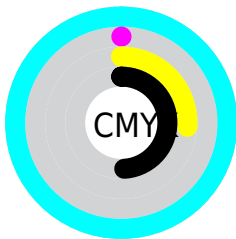
Distribution



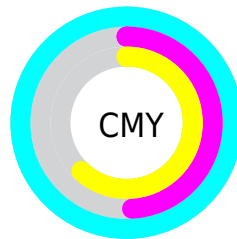
- Red (0%)
- Green (51%)
- Blue (38%)



- Red (0%)
- Yellow (29%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8098, 0.2481, 0.4132 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 16.8098, 0.2481, 0.4132 by changing the saturation by 10% instead.


 16.8098, 0.2481,
0.4132


 16.8098, 0.2481,
0.4132


234.0739, 0.2867,
0.3620


 10.0990, 0.2355,
0.4306


 37.9985, 0.2640,
0.3916


 5.4646, 0.2170,
0.4569

 53.2451, 0.2694,
0.3845


 2.5224, 0.1874,
0.5008

 72.1058, 0.2737,
0.3788

 0.8878, 0.0000,
0.7669

 94.9649, 0.2772,
0.3742

 0.0000, 0.0000,
0.0000

 122.2069, 0.2802,
0.3704

 154.2162, 0.2827,

0.3671

191.3770, 0.2848,
0.3644

■ 16.8098, 0.2481,
0.4132

■ 16.8098, 0.2481,
0.4132

■ 16.8109, 0.2481,
0.4132

■ 16.9605, 0.2480,
0.4037

■ 17.1613, 0.2492,
0.3942

■ 17.4426, 0.2522,
0.3848

■ 17.8136, 0.2570,
0.3755

■ 18.2826, 0.2635,
0.3665

■ 18.8565, 0.2714,
0.3579

■ 19.5420, 0.2806,
0.3498

■ 20.3448, 0.2907,
0.3422

■ 21.2705, 0.3015,
0.3353

Harmonies

Analogous

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



16.8098, 0.3199, 0.4693



16.8098, 0.2481, 0.4132



16.8098, 0.1976, 0.3280

Triad

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



16.8098, 0.2481, 0.4132



16.8098, 0.2243, 0.2100



16.8098, 0.4697, 0.3690

Complementary

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



16.8098, 0.2481, 0.4132



4.8617, 0.5822, 0.2981

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.



16.8098, 0.4402, 0.3118



16.8098, 0.2481, 0.4132



16.8098, 0.2889, 0.2253

Square

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



16.8098, 0.2481, 0.4132



16.8098, 0.1867, 0.2193



16.8098, 0.3699, 0.2613



16.8098, 0.4500, 0.4256

Rectangle

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



16.8098, 0.2481, 0.4132



16.8098, 0.1807, 0.2780



16.8098, 0.3699, 0.2613



16.8098, 0.4655, 0.3496

Sweetspot

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



16.8109, 0.2481, 0.4132



34.3242, 0.2799, 0.3503



16.3179, 0.3131, 0.5896



7.6692, 0.2766, 0.3531



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.



16.8109, 0.2481, 0.4132



29.5785, 0.2487, 0.4153



10.6630, 0.2040, 0.2542



4.8683, 0.3025, 0.3347



16.1191, 0.2481, 0.4130



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.8617, 0.5822, 0.2981



8.5398, 0.5877, 0.3011



5.6917, 0.6065, 0.3566



4.3613, 0.3241, 0.3234



4.6623, 0.5818, 0.2978



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.8098, 0.2481, 0.4132 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 16.8098, 0.2481, 0.4132 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 16.8098, 0.2481, 0.4132

Background



This preview shows how black text looks on a background with the Yxy color 16.8098, 0.2481, 0.4132.



This preview shows how white text looks on a background with the Yxy color 16.8098, 0.2481, 0.4132.

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

16.8098, 0.2481, 0.4132

Protanopia

16.5798, 0.3555, 0.3790

Deuteranopia

16.5440, 0.3513, 0.3444



Tritanopia

16.9087, 0.2298, 0.3069

Trichromacy



Original Color

16.8098, 0.2481, 0.4132



Protanomaly

15.5268, 0.2933, 0.3945



Deuteranomaly

15.4173, 0.2903, 0.3701



Tritanomaly

16.7922, 0.2345, 0.3426

Monochromacy



Original Color

16.8098, 0.2481, 0.4132



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.2509, 0.2674, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8098, 0.2481, 0.4132 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 96) }
```

Border

The CSS property to change the border of an element to Yxy 16.8098, 0.2481, 0.4132 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, 96) }
```

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

```
.border{ border-color:rgb(0, 130, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 130, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8098, 0.2481, 0.4132 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, 96) }
```

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

```
.background{ background-color: rgb(0, 130,  
96) }
```

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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