

Converting Colors

$Yxy(14.7368, 0.1208, 0.4347)$

Have a look what the booklet for
Yxy(14.7368, 0.1208, 0.4347)
contains.

Yxy(18.2675, 0.2473, 0.4102)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(18.2675, 0.2473, 0.4102)$

Conversions

Conversions Part 1

Format	Color
Hex	008765
RGB	0, 135, 101
RGB Percent	0%, 53%, 40%
CMY	0.9996, 0.4706, 0.6040
CMYK	1.00, 0.00, 0.25, 0.47
HSL	165°, 100%, 26%
HSV	165°, 100%, 53%
XYZ	11.0130, 18.2675, 15.2526
YIQ	90.7590, -69.5460, -39.1940

Conversions

Conversions Part 2

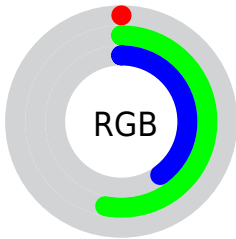
Format	Color
RYB	0, 77, 135
Decimal	34661
CIELab	49.82, -39.94, 9.61
CIELCh	50, 41.084, 166.472
Yxy	18.2675, 0.2473, 0.4102
Android (android.graphics.Color)	4278224741 (0xFF008765)
YUV	90.7590, 5.0488, -79.5956
Hunter-Lab	42.7405, -28.8013, 8.7598

Details

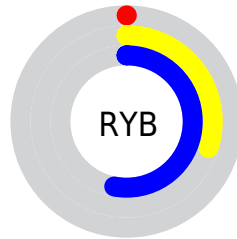
The Yxy color **18.2675, 0.2473, 0.4102** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.2694, 0.5859, 0.3002**, and the grayscale version is **10.4115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4115, 0.2628, 0.3895**, and **6.6070, 0.2556, 0.4403** is the 20% darker color. If you saturate the color by 10%, you get **18.2670, 0.2473, 0.4103**, and if you desaturate by 10%, it is **18.4259, 0.2472, 0.4011**.

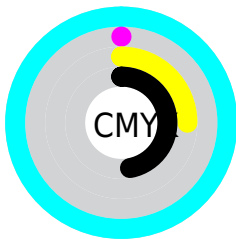
Distribution



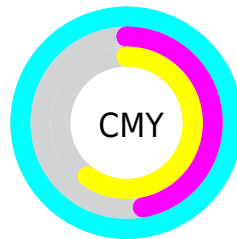
- Red (0%)
- Green (53%)
- Blue (40%)



- Red (0%)
- Yellow (30%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (60%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2675, 0.2473, 0.4102 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 18.2675, 0.2473, 0.4102 by changing the saturation by 10% instead.


 18.2675, 0.2473,
0.4102


 18.2675, 0.2473,
0.4102


242.3745, 0.2858,
0.3614


 11.1422, 0.2351,
0.4264


 40.4926, 0.2630,
0.3899


 6.1626, 0.2173,
0.4504

 56.3612, 0.2684,
0.3831

 2.9442, 0.1895,
0.4896

 75.9131, 0.2727,
0.3777

 1.1027, 0.0347,
0.6593

 99.5325, 0.2762,
0.3733

 0.0000, 0.0000,
0.0000

 127.6040, 0.2792,
0.3696

 160.5119, 0.2817,

0.3664

198.6406, 0.2839,
0.3637

■ 18.2675, 0.2473,
0.4102

■ 18.2675, 0.2473,
0.4102

■ 18.2670, 0.2473,
0.4103

■ 18.4259, 0.2472,
0.4011

■ 18.6410, 0.2484,
0.3919

■ 18.9436, 0.2515,
0.3828

■ 19.3441, 0.2563,
0.3739

■ 19.8512, 0.2629,
0.3652

■ 20.4728, 0.2709,
0.3569

■ 21.2160, 0.2802,
0.3490

■ 22.0873, 0.2904,
0.3417

■ 23.0927, 0.3014,
0.3350

Harmonies

Analogous

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



18.2675, 0.3181, 0.4669



18.2675, 0.2473, 0.4102



18.2675, 0.1979, 0.3261

Triad

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



18.2675, 0.2473, 0.4102



18.2675, 0.2265, 0.2112



18.2675, 0.4680, 0.3702

Complementary

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



18.2675, 0.2473, 0.4102



5.2694, 0.5859, 0.3002

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.



18.2675, 0.4400, 0.3134



18.2675, 0.2473, 0.4102



18.2675, 0.2911, 0.2270

Square

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



18.2675, 0.2473, 0.4102



18.2675, 0.1885, 0.2199



18.2675, 0.3713, 0.2631



18.2675, 0.4476, 0.4261

Rectangle

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



18.2675, 0.2473, 0.4102



18.2675, 0.1816, 0.2770



18.2675, 0.3713, 0.2631



18.2675, 0.4643, 0.3510

Sweetspot

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



18.2682, 0.2473, 0.4102



37.8856, 0.2795, 0.3496



17.7050, 0.3129, 0.5897



8.6561, 0.2760, 0.3524



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.2682, 0.2473, 0.4102



32.6855, 0.2478, 0.4122



11.5553, 0.2039, 0.2540



5.2593, 0.3023, 0.3345



16.8464, 0.2472, 0.4100



0.0595, 0.2355, 0.3677

Inverse Universe

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



5.2694, 0.5859, 0.3002



9.4089, 0.5915, 0.3032



6.1617, 0.6069, 0.3562



4.7066, 0.3243, 0.3235



4.8584, 0.5853, 0.2998



0.0179, 0.4832, 0.2435

Previews

White Background



This preview shows how the Yxy color 18.2675, 0.2473, 0.4102 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 18.2675, 0.2473, 0.4102 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 18.2675, 0.2473, 0.4102

Background



This preview shows how black text looks on a background with the Yxy color 18.2675, 0.2473, 0.4102.



This preview shows how white text looks on a background with the Yxy color 18.2675, 0.2473, 0.4102.

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

18.2675, 0.2473, 0.4102

Protanopia

18.1828, 0.3539, 0.3772

Deuteranopia

18.1436, 0.3497, 0.3439



Tritanopia

18.3723, 0.2296, 0.3076

Trichromacy



Original Color

18.2675, 0.2473, 0.4102



Protanomaly

16.9653, 0.2918, 0.3921



Deuteranomaly

16.8498, 0.2889, 0.3686



Tritanomaly

18.2419, 0.2339, 0.3422

Monochromacy



Original Color

18.2675, 0.2473, 0.4102



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

12.2412, 0.2665, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2675, 0.2473, 0.4102 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, 135, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 101)  
}
```

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, 135, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 101) }
```

Border

The CSS property to change the border of an element to Yxy 18.2675, 0.2473, 0.4102 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, 135, 101) }
```

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

```
.border{ border-color:rgb(0, 135, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2675, 0.2473, 0.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 101) }
```

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

```
.background{ background-color: rgb(0, 135,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor