

Converting Colors

$Yxy(18.7512, 0.2599, 0.4556)$

Have a look what the booklet for
Yxy(18.7512, 0.2599, 0.4556)
contains.

Yxy(18.8328, 0.2602, 0.4568)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.8328, 0.2602, 0.4568)

Conversions

Conversions Part 1

Format	Color
Hex	008A55
RGB	0, 138, 85
RGB Percent	0%, 54%, 33%
CMY	1.0000, 0.4588, 0.6666
CMYK	1.00, 0.00, 0.38, 0.46
HSL	157°, 100%, 27%
HSV	157°, 100%, 54%
XYZ	10.7274, 18.8328, 11.6674
YIQ	90.6960, -65.2350, -45.7390

Conversions

Conversions Part 2

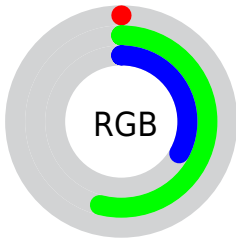
Format	Color
RYB	0, 85, 138
Decimal	35413
CIELab	50.49, -44.97, 19.64
CIELCh	50, 49.070, 156.401
Yxy	18.8328, 0.2602, 0.4568
Android (android.graphics.Color)	4278225493 (0xFF008A55)
YUV	90.6960, -2.8081, -79.5404
Hunter-Lab	43.3968, -31.8202, 14.4373

Details

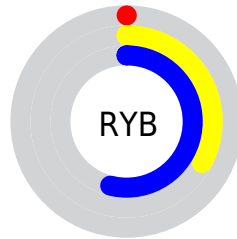
The Yxy color **18.8328, 0.2602, 0.4568** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.6606, 0.5385, 0.2740**, and the grayscale version is **10.4078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6830, 0.2743, 0.4247**, and **6.9629, 0.2735, 0.5045** is the 20% darker color. If you saturate the color by 10%, you get **18.8344, 0.2602, 0.4568**, and if you desaturate by 10%, it is **19.0136, 0.2589, 0.4425**.

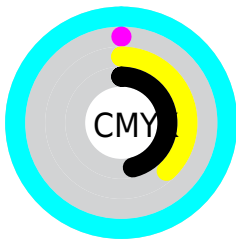
Distribution



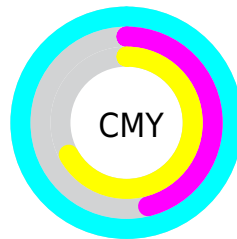
- Red (0%)
- Green (54%)
- Blue (33%)



- Red (0%)
- Yellow (33%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (46%)




- Cyan (100%)
- Magenta (46%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8328, 0.2602, 0.4568 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 18.8328, 0.2602, 0.4568 by changing the saturation by 10% instead.

 18.8328, 0.2602,
0.4568


 18.8328, 0.2602,
0.4568


245.5242, 0.2926,
0.3787


 11.5495, 0.2490,
0.4833


 41.4514, 0.2740,
0.4239

 6.4377, 0.2319,
0.5230


 57.5555, 0.2785,
0.4130

 3.1130, 0.2036,
0.5881

 77.3686, 0.2821,
0.4044

 1.1910, 0.0052,
0.9948

 101.2752, 0.2850,
0.3973

 0.0544, 0.0000,
1.0000

 129.6597, 0.2874,
0.3915

 0.0000, 0.0000,
0.0000

 162.9064, 0.2894,

0.3865

201.3998, 0.2912,
0.3823

■ 18.8328, 0.2602,
0.4568

■ 18.8328, 0.2602,
0.4568

■ 18.8344, 0.2602,
0.4568

■ 19.0136, 0.2589,
0.4425

■ 19.2569, 0.2590,
0.4281

■ 19.5958, 0.2610,
0.4136

■ 20.0412, 0.2648,
0.3993

■ 20.6025, 0.2702,
0.3855

■ 21.2881, 0.2770,
0.3724

■ 22.1057, 0.2850,
0.3601

■ 23.0621, 0.2938,
0.3487

■ 24.1638, 0.3031,
0.3384

Harmonies

Analogous

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



18.8328, 0.3453, 0.5010



18.8328, 0.2602, 0.4568



18.8328, 0.1943, 0.3577

Triad

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



18.8328, 0.2602, 0.4568



18.8328, 0.1950, 0.1938



18.8328, 0.4909, 0.3506

Complementary

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



18.8328, 0.2602, 0.4568



5.6606, 0.5385, 0.2740

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.



18.8328, 0.4397, 0.2888



18.8328, 0.2602, 0.4568



18.8328, 0.2584, 0.2034

Square

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



18.8328, 0.2602, 0.4568



18.8328, 0.1632, 0.2125



18.8328, 0.3486, 0.2369



18.8328, 0.4824, 0.4160

Rectangle

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



18.8328, 0.2602, 0.4568



18.8328, 0.1690, 0.2930



18.8328, 0.3486, 0.2369



18.8328, 0.4803, 0.3294

Sweetspot

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



18.8344, 0.2602, 0.4568



38.8629, 0.2844, 0.3608



18.9961, 0.3257, 0.5796



8.5944, 0.2815, 0.3652



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.



18.8344, 0.2602, 0.4568



33.1652, 0.2610, 0.4597



16.3016, 0.2161, 0.2981



5.6566, 0.3039, 0.3375



17.2702, 0.2601, 0.4563



0.1176, 0.2425, 0.3930

Inverse Universe

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



5.6606, 0.5385, 0.2740



9.9481, 0.5437, 0.2769



5.7124, 0.6297, 0.3382



5.0783, 0.3225, 0.3206



5.1923, 0.5376, 0.2735



0.0372, 0.4354, 0.2172

Previews

White Background



This preview shows how the Yxy color 18.8328, 0.2602, 0.4568 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 18.8328, 0.2602, 0.4568 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 18.8328, 0.2602, 0.4568

Background



This preview shows how black text looks on a background with the Yxy color 18.8328, 0.2602, 0.4568.



This preview shows how white text looks on a background with the Yxy color 18.8328, 0.2602, 0.4568.

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

18.8328, 0.2602, 0.4568

Protanopia

18.7288, 0.3765, 0.4077

Deuteranopia

18.6624, 0.3800, 0.3740



Tritanopia

18.8637, 0.2322, 0.3060

Trichromacy



Original Color

18.8328, 0.2602, 0.4568



Protanomaly

17.6118, 0.3101, 0.4320



Deuteranomaly

17.0442, 0.3114, 0.4064



Tritanomaly

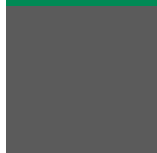
18.7377, 0.2401, 0.3579

Monochromacy



Original Color

18.8328, 0.2602, 0.4568



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

12.3459, 0.2732, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8328, 0.2602, 0.4568 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, 138, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 85)  
}
```

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, 138, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 85) }
```

Border

The CSS property to change the border of an element to Yxy 18.8328, 0.2602, 0.4568 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, 138, 85) }
```

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

```
.border{ border-color:rgb(0, 138, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.8328, 0.2602, 0.4568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 85) }
```

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

```
.background{ background-color: rgb(0, 138,  
85) }
```

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