

Converting Colors

$Yxy(17.4276, 0.2011, 0.5792)$

Have a look what the booklet for
Yxy(17.4276, 0.2011, 0.5792)
contains.

Yxy(19.6218, 0.2813, 0.5326)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.6218, 0.2813, 0.5326)

Conversions

Conversions Part 1

Format	Color
Hex	008E37
RGB	0, 142, 55
RGB Percent	0%, 56%, 22%
CMY	0.9996, 0.4431, 0.7843
CMYK	1.00, 0.00, 0.61, 0.44
HSL	143°, 100%, 28%
HSV	143°, 100%, 56%
XYZ	10.3635, 19.6218, 6.8562
YIQ	89.6240, -56.7050, -57.1610

Conversions

Conversions Part 2

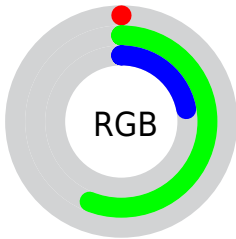
Format	Color
RYB	0, 102, 142
Decimal	36407
CIELab	51.41, -51.68, 36.65
CIELCh	51, 63.355, 144.655
Yxy	19.6218, 0.2813, 0.5326
Android (android.graphics.Color)	4278226487 (0xFF008E37)
YUV	89.6240, -17.0696, -78.6002
Hunter-Lab	44.2965, -35.7574, 21.8306

Details

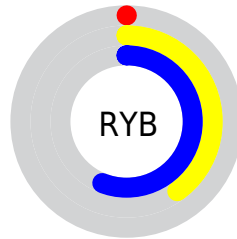
The Yxy color **19.6218, 0.2813, 0.5326** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.4424, 0.4453, 0.2227**, and the grayscale version is **10.1911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8372, 0.2932, 0.4799**, and **7.3189, 0.2987, 0.5952** is the 20% darker color. If you saturate the color by 10%, you get **19.6214, 0.2813, 0.5327**, and if you desaturate by 10%, it is **19.8087, 0.2788, 0.5125**.

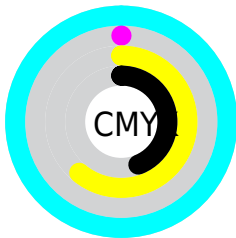
Distribution



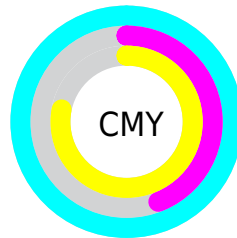
- Red (0%)
- Green (56%)
- Blue (22%)



- Red (0%)
- Yellow (40%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6218, 0.2813, 0.5326 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 19.6218, 0.2813, 0.5326 by changing the saturation by 10% instead.


 19.6218, 0.2813,
0.5326


 19.6218, 0.2813,
0.5326


249.8603, 0.3054,
0.4075


 12.1204, 0.2701,
0.5739


 42.7822, 0.2932,
0.4802


 6.8257, 0.2510,
0.6333


 59.2100, 0.2966,
0.4627

 3.3534, 0.2287,
0.7671

 79.3821, 0.2991,
0.4488

 1.3189, 0.0000,
1.0000

 103.6828, 0.3010,
0.4374

 0.1558, 0.0000,
1.0000

 132.4966, 0.3024,
0.4280

 0.0000, 0.0000,
0.0000

 166.2079, 0.3036,

0.4201

205.2009, 0.3046,
0.4133

■ 19.6218, 0.2813,
0.5326

■ 19.6218, 0.2813,
0.5326

■ 19.6214, 0.2813,
0.5327

■ 19.8087, 0.2788,
0.5125

■ 20.0733, 0.2775,
0.4908

■ 20.4490, 0.2779,
0.4678

■ 20.9481, 0.2800,
0.4445

■ 21.5812, 0.2835,
0.4217

■ 22.3578, 0.2882,
0.3999

■ 23.2864, 0.2937,
0.3795

■ 24.3748, 0.2998,
0.3608

■ 25.6304, 0.3062,
0.3440

Harmonies

Analogous

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



19.6218, 0.3851, 0.5394



19.6218, 0.2813, 0.5326



19.6218, 0.1910, 0.4189

Triad

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



19.6218, 0.2813, 0.5326



19.6218, 0.1517, 0.1697



19.6218, 0.5212, 0.3188

Complementary

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



19.6218, 0.2813, 0.5326



6.4424, 0.4453, 0.2227

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.



19.6218, 0.4309, 0.2515



19.6218, 0.2813, 0.5326



19.6218, 0.2100, 0.1702

Square

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



19.6218, 0.2813, 0.5326



19.6218, 0.1290, 0.2034



19.6218, 0.3087, 0.1988



19.6218, 0.5336, 0.3931

Rectangle

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



19.6218, 0.2813, 0.5326



19.6218, 0.1520, 0.3256



19.6218, 0.3087, 0.1988



19.6218, 0.4986, 0.2954

Sweetspot

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



19.6226, 0.2813, 0.5326



40.9413, 0.2933, 0.3809



21.4017, 0.3550, 0.5562



9.0038, 0.2912, 0.3882



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.



19.6226, 0.2813, 0.5326



34.5706, 0.2823, 0.5364



20.8388, 0.2347, 0.3649



6.0618, 0.3067, 0.3428



17.6205, 0.2811, 0.5319



0.1726, 0.2579, 0.4483

Inverse Universe

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



6.4424, 0.4453, 0.2227



11.3232, 0.4486, 0.2245



5.7923, 0.6222, 0.3202



5.4761, 0.3192, 0.3156



5.7856, 0.4448, 0.2224



0.0596, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 19.6218, 0.2813, 0.5326 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 19.6218, 0.2813, 0.5326 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 19.6218, 0.2813, 0.5326

Background



This preview shows how black text looks on a background with the Yxy color 19.6218, 0.2813, 0.5326.



This preview shows how white text looks on a background with the Yxy color 19.6218, 0.2813, 0.5326.

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

19.6218, 0.2813, 0.5326

Protanopia

19.3751, 0.4132, 0.4531

Deuteranopia

19.3337, 0.4246, 0.4162



Tritanopia

19.6585, 0.2355, 0.3064

Trichromacy



Original Color

19.6218, 0.2813, 0.5326



Protanomaly

17.9658, 0.3411, 0.4950



Deuteranomaly

17.4264, 0.3454, 0.4678



Tritanomaly

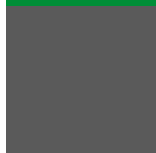
19.1532, 0.2492, 0.3832

Monochromacy



Original Color

19.6218, 0.2813, 0.5326



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

12.3430, 0.2851, 0.4143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6218, 0.2813, 0.5326 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, 142, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 55)  
}
```

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, 142, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 55) }
```

Border

The CSS property to change the border of an element to Yxy 19.6218, 0.2813, 0.5326 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, 142, 55) }
```

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

```
.border{ border-color:rgb(0, 142, 55) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 55)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.6218, 0.2813, 0.5326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 55) }
```

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

```
.background{ background-color: rgb(0, 142,  
55) }
```

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