

Converting Colors

$Yxy(24.8204, 0.2820, 0.5352)$

Have a look what the booklet for
Yxy(24.8204, 0.2820, 0.5352)
contains.

Yxy(24.7906, 0.2818, 0.5346)	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

Yxy(24.7906, 0.2818, 0.5346)

Conversions

Conversions Part 1

Format	Color
Hex	009E3D
RGB	0, 158, 61
RGB Percent	0%, 62%, 24%
CMY	1.0000, 0.3804, 0.7607
CMYK	1.00, 0.00, 0.61, 0.38
HSL	143°, 100%, 31%
HSV	143°, 100%, 62%
XYZ	13.0677, 24.7906, 8.5139
YIQ	99.7000, -63.0310, -63.6630

Conversions

Conversions Part 2

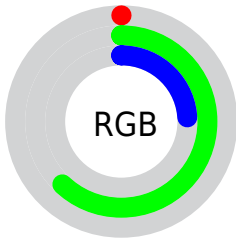
Format	Color
RYB	0, 114, 158
Decimal	40509
CIELab	56.87, -56.04, 40.12
CIELCh	57, 68.916, 144.402
Yxy	24.7906, 0.2818, 0.5346
Android (android.graphics.Color)	4278230589 (0xFF009E3D)
YUV	99.7000, -19.0791, -87.4369
Hunter-Lab	49.7902, -40.2845, 24.7147

Details

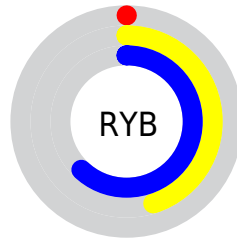
The Yxy color **24.7906, 0.2818, 0.5346** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.1325, 0.4466, 0.2234**, and the grayscale version is **12.7266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3868, 0.2931, 0.4844**, and **10.1163, 0.2981, 0.5931** is the 20% darker color. If you saturate the color by 10%, you get **24.7929, 0.2818, 0.5346**, and if you desaturate by 10%, it is **25.0155, 0.2791, 0.5146**.

Distribution



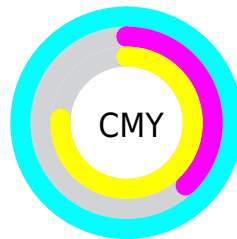
- Red (0%)
- Green (62%)
- Blue (24%)



- Red (0%)
- Yellow (45%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7906, 0.2818, 0.5346 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 24.7906, 0.2818, 0.5346 by changing the saturation by 10% instead.


 24.7906, 0.2818,
0.5346


 24.7906, 0.2818,
0.5346


276.7935, 0.3052,
0.4122


 15.9211, 0.2716,
0.5726


 51.3173, 0.2931,
0.4847


 9.4683, 0.2550,
0.6255


 69.7433, 0.2964,
0.4677


 5.0479, 0.2284,
0.7105

 92.1236, 0.2989,
0.4539

 2.2754, 0.1518,
0.8482

 118.8426, 0.3007,
0.4426

 0.7606, 0.0000,
1.0000

 150.2847, 0.3022,
0.4331

 0.0000, 0.0000,
0.0000

 186.8343, 0.3034,

0.4250

228.8758, 0.3044,
0.4181

■ 24.7906, 0.2818,
0.5346

■ 24.7906, 0.2818,
0.5346

■ 24.7929, 0.2818,
0.5346

■ 25.0155, 0.2791,
0.5146

■ 25.3419, 0.2776,
0.4928

■ 25.8098, 0.2778,
0.4697

■ 26.4357, 0.2798,
0.4461

■ 27.2333, 0.2833,
0.4230

■ 28.2151, 0.2880,
0.4009

■ 29.3922, 0.2935,
0.3802

■ 30.7748, 0.2997,
0.3613

■ 32.3726, 0.3061,
0.3443

Harmonies

Analogous

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



24.7906, 0.3861, 0.5402



24.7906, 0.2818, 0.5346



24.7906, 0.1909, 0.4207

Triad

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



24.7906, 0.2818, 0.5346



24.7906, 0.1506, 0.1691



24.7906, 0.5219, 0.3179

Complementary

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



24.7906, 0.2818, 0.5346



8.1325, 0.4466, 0.2234

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.



24.7906, 0.4306, 0.2505



24.7906, 0.2818, 0.5346



24.7906, 0.2088, 0.1694

Square

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



24.7906, 0.2818, 0.5346



24.7906, 0.1281, 0.2031



24.7906, 0.3076, 0.1978



24.7906, 0.5349, 0.3924

Rectangle

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



24.7906, 0.2818, 0.5346



24.7906, 0.1516, 0.3266



24.7906, 0.3076, 0.1978



24.7906, 0.4990, 0.2945

Sweetspot

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



24.7929, 0.2818, 0.5346



53.2364, 0.2932, 0.3814



27.0212, 0.3545, 0.5567



11.8027, 0.2909, 0.3895



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.7929, 0.2818, 0.5346



44.9837, 0.2828, 0.5380



26.3366, 0.2348, 0.3653



7.4413, 0.3066, 0.3430



19.8622, 0.2814, 0.5330



0.3631, 0.2595, 0.4542

Inverse Universe

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



8.1325, 0.4466, 0.2234



14.7272, 0.4496, 0.2250



7.3148, 0.6239, 0.3211



6.7111, 0.3193, 0.3154



6.5206, 0.4452, 0.2226



0.1247, 0.3848, 0.1894

Previews

White Background



This preview shows how the Yxy color 24.7906, 0.2818, 0.5346 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 24.7906, 0.2818, 0.5346 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 24.7906, 0.2818, 0.5346

Background



This preview shows how black text looks on a background with the Yxy color 24.7906, 0.2818, 0.5346.



This preview shows how white text looks on a background with the Yxy color 24.7906, 0.2818, 0.5346.

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

24.7906, 0.2818, 0.5346

Protanopia

24.4540, 0.4138, 0.4552

Deuteranopia

24.3457, 0.4270, 0.4181



Tritanopia

24.7746, 0.2350, 0.3066

Trichromacy



Original Color

24.7906, 0.2818, 0.5346



Protanomaly

22.7287, 0.3399, 0.4973



Deuteranomaly

22.2137, 0.3462, 0.4716



Tritanomaly

24.3628, 0.2497, 0.3864

Monochromacy



Original Color

24.7906, 0.2818, 0.5346



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

15.4366, 0.2851, 0.4139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7906, 0.2818, 0.5346 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, 158, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 61)  
}
```

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, 158, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 61) }
```

Border

The CSS property to change the border of an element to Yxy 24.7906, 0.2818, 0.5346 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, 158, 61) }
```

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

```
.border{ border-color:rgb(0, 158, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 61)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.7906, 0.2818, 0.5346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 61) }
```

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

```
.background{ background-color: rgb(0, 158,  
61) }
```

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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