

Converting Colors

$Yxy(25.2379, 0.2648, 0.4734)$

Have a look what the booklet for
Yxy(25.2379, 0.2648, 0.4734)
contains.

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Color

Yxy(25.2091, 0.2646, 0.4726)

Conversions

Conversions Part 1

Format	Color
Hex	009E5B
RGB	0, 158, 91
RGB Percent	0%, 62%, 36%
CMY	1.0000, 0.3804, 0.6432
CMYK	1.00, 0.00, 0.42, 0.38
HSL	155°, 100%, 31%
HSV	155°, 100%, 62%
XYZ	14.1141, 25.2091, 14.0181
YIQ	103.1200, -72.6610, -54.3330

Conversions

Conversions Part 2

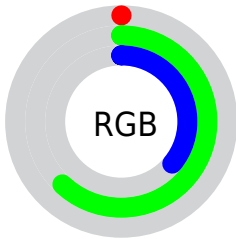
Format	Color
RYB	0, 100, 158
Decimal	40539
CIELab	57.28, -51.08, 25.35
CIELCh	57, 57.028, 153.603
Yxy	25.2091, 0.2646, 0.4726
Android (android.graphics.Color)	4278230619 (0xFF009E5B)
YUV	103.1200, -5.9752, -90.4362
Hunter-Lab	50.2087, -37.6872, 18.5925

Details

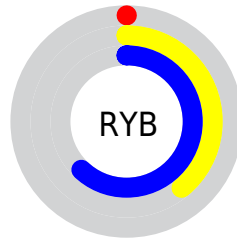
The Yxy color **25.2091, 0.2646, 0.4726** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.6750, 0.5251, 0.2666**, and the grayscale version is **13.6281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1208, 0.2769, 0.4380**, and **10.2850, 0.2771, 0.5176** is the 20% darker color. If you saturate the color by 10%, you get **25.2107, 0.2646, 0.4726**, and if you desaturate by 10%, it is **25.4400, 0.2627, 0.4568**.

Distribution



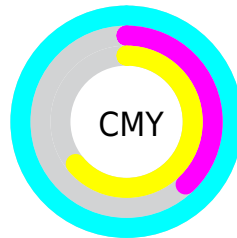
- Red (0%)
- Green (62%)
- Blue (36%)



- Red (0%)
- Yellow (39%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2091, 0.2646, 0.4726 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 25.2091, 0.2646, 0.4726 by changing the saturation by 10% instead.


 25.2091, 0.2646,
0.4726

 25.2091, 0.2646,
0.4726


278.8777, 0.2940,
0.3878


 16.2329, 0.2548,
0.4993


 51.9962, 0.2769,
0.4380


 9.6891, 0.2402,
0.5376


 70.5760, 0.2810,
0.4262

 5.1933, 0.2170,
0.5962

 93.1257, 0.2843,
0.4167

 2.3611, 0.1761,
0.7282

 120.0298, 0.2870,
0.4089

 0.8058, 0.0000,
1.0000

 151.6726, 0.2892,
0.4023

 0.0000, 0.0000,
0.0000

 188.4386, 0.2911,

0.3968

230.7122, 0.2927,
0.3920

■ 25.2091, 0.2646,
0.4726

■ 25.2091, 0.2646,
0.4726

■ 25.2107, 0.2646,
0.4726

■ 25.4400, 0.2627,
0.4568

■ 25.7637, 0.2622,
0.4407

■ 26.2192, 0.2637,
0.4244

■ 26.8221, 0.2671,
0.4083

■ 27.5857, 0.2722,
0.3926

■ 28.5219, 0.2786,
0.3778

■ 29.6414, 0.2862,
0.3639

■ 30.9539, 0.2946,
0.3511

■ 32.4686, 0.3035,
0.3395

Harmonies

Analogous

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



25.2091, 0.3540, 0.5108



25.2091, 0.2646, 0.4726



25.2091, 0.1934, 0.3693

Triad

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



25.2091, 0.2646, 0.4726



25.2091, 0.1853, 0.1885



25.2091, 0.4978, 0.3440

Complementary

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



25.2091, 0.2646, 0.4726



7.6750, 0.5251, 0.2666

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.



25.2091, 0.4387, 0.2808



25.2091, 0.2646, 0.4726



25.2091, 0.2479, 0.1960

Square

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



25.2091, 0.2646, 0.4726



25.2091, 0.1555, 0.2103



25.2091, 0.3406, 0.2286



25.2091, 0.4934, 0.4118

Rectangle

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



25.2091, 0.2646, 0.4726



25.2091, 0.1652, 0.2990



25.2091, 0.3406, 0.2286



25.2091, 0.4848, 0.3222

Sweetspot

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



25.2107, 0.2646, 0.4726



53.6964, 0.2857, 0.3647



25.7013, 0.3288, 0.5771



11.9163, 0.2826, 0.3701



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.



25.2107, 0.2646, 0.4726



45.7387, 0.2654, 0.4755



23.4831, 0.2190, 0.3083



7.4619, 0.3042, 0.3387



20.1978, 0.2643, 0.4713



0.3695, 0.2467, 0.4081

Inverse Universe

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



7.6750, 0.5251, 0.2666



13.8986, 0.5297, 0.2692



7.4984, 0.6343, 0.3346



6.6905, 0.3221, 0.3196



6.1540, 0.5230, 0.2655



0.1183, 0.4299, 0.2142

Previews

White Background



This preview shows how the Yxy color 25.2091, 0.2646, 0.4726 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 25.2091, 0.2646, 0.4726 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 25.2091, 0.2646, 0.4726

Background



This preview shows how black text looks on a background with the Yxy color 25.2091, 0.2646, 0.4726.



This preview shows how white text looks on a background with the Yxy color 25.2091, 0.2646, 0.4726.

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

25.2091, 0.2646, 0.4726

Protanopia

24.9054, 0.3843, 0.4179

Deuteranopia

24.7770, 0.3890, 0.3829



Tritanopia

25.3209, 0.2322, 0.3067

Trichromacy



Original Color

25.2091, 0.2646, 0.4726



Protanomaly

23.3556, 0.3158, 0.4464



Deuteranomaly

22.7595, 0.3167, 0.4195



Tritanomaly

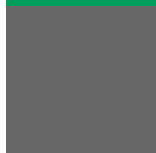
24.9534, 0.2413, 0.3628

Monochromacy



Original Color

25.2091, 0.2646, 0.4726



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

16.2250, 0.2749, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2091, 0.2646, 0.4726 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 91) }
```

Border

The CSS property to change the border of an element to Yxy 25.2091, 0.2646, 0.4726 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, 91) }
```

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

```
.border{ border-color:rgb(0, 158, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 158, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.2091, 0.2646, 0.4726 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, 91) }
```

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

```
.background{ background-color: rgb(0, 158,  
91) }
```

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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