

Converting Colors

$Yxy(26.8996, 0.2933, 0.4526)$

Have a look what the booklet for
Yxy(26.8996, 0.2933, 0.4526)
contains.

Yxy(26.8996, 0.2933, 0.4526)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.8996, 0.2933, 0.4526)

Conversions

Conversions Part 1

Format	Color
Hex	4E9E5F
RGB	78, 158, 95
RGB Percent	31%, 62%, 37%
CMY	0.6943, 0.3804, 0.6274
CMYK	0.51, 0.00, 0.40, 0.38
HSL	133°, 34%, 46%
HSV	133°, 51%, 62%
XYZ	17.4318, 26.8996, 15.1021
YIQ	126.8980, -27.4570, -36.5530

Conversions

Conversions Part 2

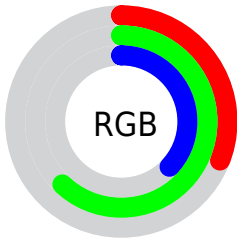
Format	Color
R_{YB}	78, 144, 158
Decimal	5152351
CIE _{Lab}	58.88, -38.69, 25.58
CIE _{LCh}	59, 46.377, 146.528
Yxy	26.8996, 0.2933, 0.4526
Android (android.graphics.Color)	4283342431 (0xFF4E9E5F)
YUV	126.8980, -15.7257, -42.8835
Hunter-Lab	51.8648, -30.7693, 19.0413

Details

The Yxy color **26.8996, 0.2933, 0.4526** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.6340, 0.3426, 0.2318**, and the grayscale version is **21.2457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5694, 0.2990, 0.4238**, and **10.6406, 0.2805, 0.5044** is the 20% darker color. If you saturate the color by 10%, you get **26.1036, 0.2911, 0.4818**, and if you desaturate by 10%, it is **27.8942, 0.2964, 0.4240**.

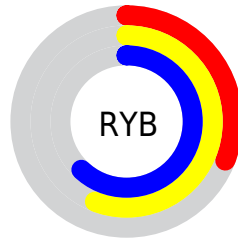
Distribution



Red (31%)

Green (62%)

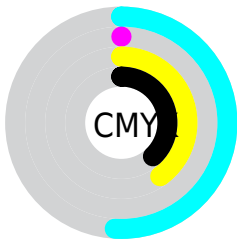
Blue (37%)



Red (31%)

Yellow (56%)

Blue (62%)

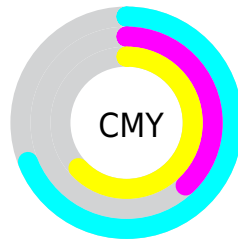


Cyan (51%)

Magenta (0%)

Yellow (40%)

Black (38%)



Cyan (69%)


Magenta (38%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8996, 0.2933, 0.4526 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 26.8996, 0.2933, 0.4526 by changing the saturation by 10% instead.


 26.8996, 0.2933,
0.4526


 26.8996, 0.2933,
0.4526


287.1707, 0.3062,
0.3811


 17.4978, 0.2885,
0.4744


 54.7227, 0.2990,
0.4239


 10.5901, 0.2810,
0.5052


 73.9129, 0.3008,
0.4139


 5.7919, 0.2684,
0.5515

 97.1346, 0.3022,
0.4059

 2.7190, 0.2482,
0.6375

 124.7723, 0.3034,
0.3992

 0.9868, 0.0000,
1.0000

 157.2103, 0.3043,
0.3936

 0.0000, 0.0000,
0.0000

194.8332, 0.3050,

0.3888

238.0251, 0.3057,
0.3847

■ 26.8996, 0.2933,
0.4526

■ 26.8996, 0.2933,
0.4526

■ 26.1036, 0.2911,
0.4818

■ 27.8942, 0.2964,
0.4240

■ 25.4896, 0.2899,
0.5104

■ 29.0963, 0.3001,
0.3971

■ 25.0434, 0.2901,
0.5367

■ 30.5180, 0.3041,
0.3723

■ 24.7475, 0.2915,
0.5592

■ 32.1697, 0.3083,
0.3500

■ 24.5700, 0.2933,
0.5760

■ 34.0611, 0.3124,
0.3302

■ 36.2012, 0.3165,
0.3128

■ 38.5988, 0.3204,
0.2976

■ 41.2620, 0.3241,
0.2844

■ 44.1986, 0.3275,
0.2729

Harmonies

Analogous

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



26.8996, 0.3676, 0.4719



26.8996, 0.2933, 0.4526



26.8996, 0.2283, 0.3822

Triad

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



26.8996, 0.2933, 0.4526



26.8996, 0.1989, 0.2148



26.8996, 0.4538, 0.3322

Complementary

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



26.8996, 0.2933, 0.4526



14.6340, 0.3426, 0.2318

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.



26.8996, 0.3966, 0.2791



26.8996, 0.2933, 0.4526



26.8996, 0.2459, 0.2147

Square

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



26.8996, 0.2933, 0.4526



26.8996, 0.1796, 0.2420



26.8996, 0.3173, 0.2377



26.8996, 0.4651, 0.3893

Rectangle

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



26.8996, 0.2933, 0.4526



26.8996, 0.1987, 0.3260



26.8996, 0.3173, 0.2377



26.8996, 0.4391, 0.3137

Sweetspot

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



26.9007, 0.2933, 0.4526



56.9720, 0.3063, 0.3601



30.7565, 0.3676, 0.4567



12.7112, 0.3055, 0.3645



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.



26.9007, 0.2933, 0.4526



47.2076, 0.2908, 0.4862



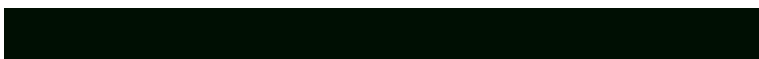
27.7953, 0.2646, 0.3739



7.4230, 0.3089, 0.3471



19.6808, 0.2930, 0.5748



0.3573, 0.2746, 0.5085

Inverse Universe

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



14.6340, 0.3426, 0.2318



22.3029, 0.3517, 0.2136



13.6711, 0.4082, 0.2904



6.7304, 0.3168, 0.3116



7.0000, 0.3820, 0.1878



0.1307, 0.3536, 0.1721

Previews

White Background



This preview shows how the Yxy color 26.8996, 0.2933, 0.4526 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 26.8996, 0.2933, 0.4526 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 26.8996, 0.2933, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 26.8996, 0.2933, 0.4526.



This preview shows how white text looks on a background with the Yxy color 26.8996, 0.2933, 0.4526.

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

26.8996, 0.2933, 0.4526

Protanopia

26.6244, 0.3827, 0.4140

Deuteranopia

26.4635, 0.3892, 0.3829



Tritanopia

26.8010, 0.2533, 0.3079

Trichromacy



Original Color

26.8996, 0.2933, 0.4526

Protanomaly

26.0584, 0.3441, 0.4285

Deuteranomaly

25.6777, 0.3492, 0.4073

Tritanomaly

26.6922, 0.2673, 0.3567

Monochromacy



Original Color

26.8996, 0.2933, 0.4526

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.6660, 0.3042, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8996, 0.2933, 0.4526 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(78, 158, 95)` looks like.

```
.text, #text, p{  
    color:rgb(78, 158, 95)  
}
```

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(78, 158, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 158, 95) }
```

Border

The CSS property to change the border of an element to Yxy 26.8996, 0.2933, 0.4526 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(78, 158, 95) }
```

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

```
.border{ border-color:rgb(78, 158, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 158, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 158, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 158, 95);  
box-shadow:4px 4px 4px 4px rgb(78, 158,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8996, 0.2933, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 158, 95) }
```

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

```
.background{ background-color: rgb(78, 158,  
95) }
```

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