

Converting Colors

$Yxy(26.2604, 0.3106, 0.5138)$

Have a look what the booklet for
Yxy(26.2604, 0.3106, 0.5138)
contains.

| | |
|---|----|
| Yxy(26.2291, 0.3110, 0.5140) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(26.2291, 0.3110, 0.5140)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 499E3F |
| RGB | 73, 158, 63 |
| RGB Percent | 29%, 62%, 25% |
| CMY | 0.7138, 0.3804, 0.7529 |
| CMYK | 0.54, 0.00, 0.60, 0.38 |
| HSL | 114°, 43%, 43% |
| HSV | 114°, 60%, 62% |
| XYZ | 15.8701, 26.2291, 8.9301 |
| YIQ | 121.7550, -20.1650, -47.5650 |

Conversions

Conversions Part 2

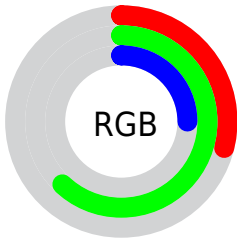
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 63, 158, 148 |
| Decimal | 4824639 |
| CIE _{Lab} | 58.25, -44.73, 41.13 |
| CIE _{LCh} | 58, 60.766, 137.403 |
| Yxy | 26.2291, 0.3110, 0.5140 |
| Android (android.graphics.Color) | 4283014719 (0xFF499E3F) |
| YUV | 121.7550, -28.9662, -42.7581 |
| Hunter-Lab | 51.2144, -34.3121, 25.5118 |

Details

The Yxy color **26.2291, 0.3110, 0.5140** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.3256, 0.3049, 0.1863**, and the grayscale version is **19.4775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4705, 0.3156, 0.4703**, and **10.3278, 0.2972, 0.5899** is the 20% darker color. If you saturate the color by 10%, you get **25.5873, 0.3093, 0.5443**, and if you desaturate by 10%, it is **27.0494, 0.3123, 0.4806**.

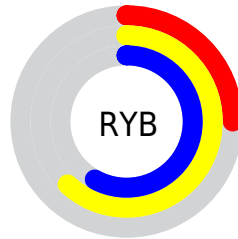
Distribution



Red (29%)

Green (62%)

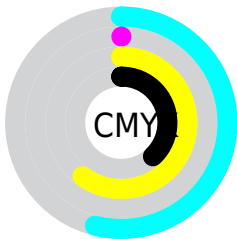
Blue (25%)



Red (25%)

Yellow (62%)

Blue (58%)

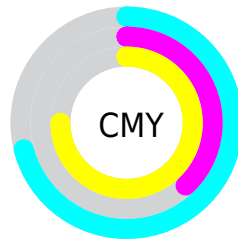


Cyan (54%)

Magenta (0%)

Yellow (60%)

Black (38%)



Cyan (71%)


Magenta (38%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2291, 0.3110, 0.5140 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 26.2291, 0.3110, 0.5140 by changing the saturation by 10% instead.


 26.2291, 0.3110,
0.5140


 26.2291, 0.3110,
0.5140


283.9049, 0.3175,
0.4063


 16.9951, 0.3060,
0.5462


 53.6443, 0.3154,
0.4709


 10.2310, 0.2967,
0.5902


 72.5943, 0.3164,
0.4559

 5.5524, 0.2802,
0.6571

 95.5518, 0.3170,
0.4437

 2.5749, 0.2435,
0.7565

 122.9011, 0.3173,
0.4336

 0.9140, 0.0000,
1.0000

 155.0267, 0.3174,
0.4252

 0.0000, 0.0000,
0.0000

192.3129, 0.3175,

0.4179

235.1442, 0.3175,
0.4117

■ 26.2291, 0.3110,
0.5140

■ 26.2291, 0.3110,
0.5140

■ 25.5873, 0.3093,
0.5443

■ 27.0494, 0.3123,
0.4806

■ 25.1077, 0.3071,
0.5692

■ 28.0567, 0.3130,
0.4465

■ 24.7764, 0.3048,
0.5868

■ 29.2629, 0.3134,
0.4133

■ 24.5711, 0.3029,
0.5977

■ 30.6779, 0.3134,
0.3824

■ 32.3109, 0.3132,
0.3543

■ 34.1706, 0.3127,
0.3293

■ 36.2653, 0.3122,
0.3073

■ 38.6028, 0.3115,
0.2881

■ 41.1906, 0.3109,
0.2715

Harmonies

Analogous

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



26.2291, 0.4037, 0.5061



26.2291, 0.3110, 0.5140



26.2291, 0.2236, 0.4351

Triad

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



26.2291, 0.3110, 0.5140



26.2291, 0.1595, 0.1905



26.2291, 0.4813, 0.3073

Complementary

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



26.2291, 0.3110, 0.5140



12.3256, 0.3049, 0.1863

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.



26.2291, 0.3912, 0.2472



26.2291, 0.3110, 0.5140



26.2291, 0.2054, 0.1831

Square

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



26.2291, 0.3110, 0.5140



26.2291, 0.1462, 0.2323



26.2291, 0.2861, 0.2033



26.2291, 0.5124, 0.3751

Rectangle

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



26.2291, 0.3110, 0.5140



26.2291, 0.1809, 0.3559



26.2291, 0.2861, 0.2033



26.2291, 0.4562, 0.2861

Sweetspot

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



26.2302, 0.3110, 0.5140



56.2013, 0.3134, 0.3772



28.4725, 0.4051, 0.4537



12.4970, 0.3134, 0.3853



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.



26.2302, 0.3110, 0.5140



46.1447, 0.3086, 0.5532



26.4221, 0.2800, 0.4470



7.4327, 0.3131, 0.3520



19.6862, 0.3032, 0.5975



0.3605, 0.3173, 0.5862

Inverse Universe

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



12.3256, 0.3049, 0.1863



18.5638, 0.3018, 0.1639



12.2211, 0.3782, 0.2387



6.7193, 0.3122, 0.3068



6.5533, 0.2952, 0.1400



0.1263, 0.3062, 0.1461

Previews

White Background



This preview shows how the Yxy color 26.2291, 0.3110, 0.5140 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 26.2291, 0.3110, 0.5140 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 26.2291, 0.3110, 0.5140

Background



This preview shows how black text looks on a background with the Yxy color 26.2291, 0.3110, 0.5140.



This preview shows how white text looks on a background with the Yxy color 26.2291, 0.3110, 0.5140.

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

26.2291, 0.3110, 0.5140

Protanopia

25.7292, 0.4134, 0.4528

Deuteranopia

25.8752, 0.4270, 0.4203



Tritanopia

26.0450, 0.2534, 0.3077

Trichromacy



Original Color

26.2291, 0.3110, 0.5140



Protanomaly

25.2335, 0.3702, 0.4785



Deuteranomaly

24.9021, 0.3787, 0.4560



Tritanomaly

25.9156, 0.2756, 0.3806

Monochromacy



Original Color

26.2291, 0.3110, 0.5140



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

21.2106, 0.3128, 0.3968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2291, 0.3110, 0.5140 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(73, 158, 63)` looks like.

```
.text, #text, p{  
    color:rgb(73, 158, 63)  
}
```

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(73, 158, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 158, 63) }
```

Border

The CSS property to change the border of an element to Yxy 26.2291, 0.3110, 0.5140 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(73, 158, 63) }
```

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

```
.border{ border-color:rgb(73, 158, 63) }
```

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

Here you see how a box with a 4 pixel rgb(73, 158, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 158, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 158, 63);  
box-shadow:4px 4px 4px 4px rgb(73, 158,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2291, 0.3110, 0.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 158, 63) }
```

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

```
.background{ background-color: rgb(73, 158,  
63) }
```

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