

Converting Colors

$Yxy(26.3937, 0.3136, 0.4727)$

Have a look what the booklet for
Yxy(26.3937, 0.3136, 0.4727)
contains.

Yxy(26.5447, 0.3135, 0.4730)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.5447, 0.3135, 0.4730)

Conversions

Conversions Part 1

Format	Color
Hex	5A9C51
RGB	90, 156, 81
RGB Percent	35%, 61%, 32%
CMY	0.6469, 0.3883, 0.6823
CMYK	0.42, 0.00, 0.48, 0.39
HSL	113°, 32%, 46%
HSV	113°, 48%, 61%
XYZ	17.5936, 26.5447, 11.9816
YIQ	127.7160, -15.2610, -37.3170

Conversions

Conversions Part 2

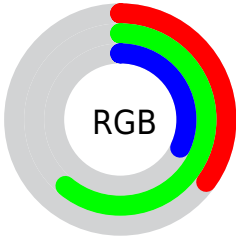
Format	Color
R_{YB}	81, 156, 147
Decimal	5938257
CIE _{Lab}	58.55, -36.38, 32.70
CIE _{LCh}	59, 48.916, 138.057
Yxy	26.5447, 0.3135, 0.4730
Android (android.graphics.Color)	4284128337 (0xFF5A9C51)
YUV	127.7160, -23.0310, -33.0769
Hunter-Lab	51.5215, -29.2085, 22.2769

Details

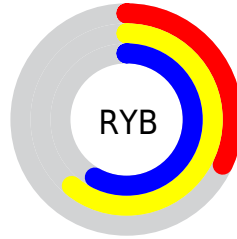
The Yxy color **26.5447, 0.3135, 0.4730** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.4847, 0.3057, 0.2112**, and the grayscale version is **21.5723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.1838, 0.3158, 0.4392**, and **10.3855, 0.3058, 0.5335** is the 20% darker color. If you saturate the color by 10%, you get **25.7120, 0.3124, 0.5065**, and if you desaturate by 10%, it is **27.5604, 0.3140, 0.4391**.

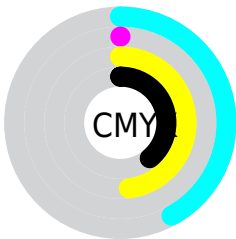
Distribution



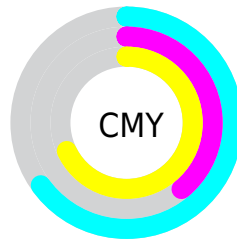
- Red (35%)
- Green (61%)
- Blue (32%)



- Red (32%)
- Yellow (61%)
- Blue (58%)



- Cyan (42%)
- Magenta (0%)
- Yellow (48%)
- Black (39%)




- Cyan (65%)
- Magenta (39%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5447, 0.3135, 0.4730 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 26.5447, 0.3135, 0.4730 by changing the saturation by 10% instead.

 26.5447, 0.3135,
0.4730


 26.5447, 0.3135,
0.4730


285.4458, 0.3163,
0.3898


 17.2316, 0.3109,
0.4981


 54.1524, 0.3157,
0.4397


 10.3997, 0.3059,
0.5330


 73.2157, 0.3161,
0.4281


 5.6648, 0.2956,
0.5840

 96.2980, 0.3163,
0.4187

 2.6423, 0.2909,
0.7091

 123.7834, 0.3164,
0.4109

 0.9480, 0.0120,
0.9880

 156.0566, 0.3165,
0.4044

 0.0000, 0.0000,
0.0000

193.5017, 0.3164,

0.3988

236.5034, 0.3164,
0.3940

■ 26.5447, 0.3135,
0.4730

■ 26.5447, 0.3135,
0.4730

■ 25.7120, 0.3124,
0.5065

■ 27.5604, 0.3140,
0.4391

■ 25.0482, 0.3108,
0.5375

■ 28.7656, 0.3141,
0.4065

■ 24.5426, 0.3087,
0.5637


■ 30.1706, 0.3138,
0.3763

■ 24.1817, 0.3062,
0.5830


■ 31.7838, 0.3133,
0.3489


■ 23.9467, 0.3038,
0.5952


■ 33.6132, 0.3126,
0.3245

 23.9122, 0.3035,
0.5972

 35.6666, 0.3118,
0.3032

 37.9512, 0.3109,
0.2845

 40.4738, 0.3100,
0.2683

 43.2410, 0.3092,
0.2542

Harmonies

Analogous

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



26.5447, 0.3906, 0.4750



26.5447, 0.3135, 0.4730



26.5447, 0.2404, 0.4103

Triad

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



26.5447, 0.3135, 0.4730



26.5447, 0.1846, 0.2138



26.5447, 0.4493, 0.3152

Complementary

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



26.5447, 0.3135, 0.4730



14.4847, 0.3057, 0.2112

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.



26.5447, 0.3785, 0.2626



26.5447, 0.3135, 0.4730



26.5447, 0.2254, 0.2066

Square

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



26.5447, 0.3135, 0.4730



26.5447, 0.1727, 0.2507



26.5447, 0.2940, 0.2242



26.5447, 0.4757, 0.3742

Rectangle

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



26.5447, 0.3135, 0.4730



26.5447, 0.2039, 0.3503



26.5447, 0.2940, 0.2242



26.5447, 0.4295, 0.2966

Sweetspot

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



26.5458, 0.3135, 0.4730



55.8680, 0.3136, 0.3655



28.2187, 0.3884, 0.4303



12.1675, 0.3137, 0.3712



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



26.5458, 0.3135, 0.4730



46.5587, 0.3123, 0.5100



26.6187, 0.2853, 0.4215



7.4375, 0.3133, 0.3520



19.7061, 0.3038, 0.5970



0.3621, 0.3198, 0.5843

Inverse Universe

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



14.4847, 0.3057, 0.2112



21.8772, 0.3030, 0.1874



14.5249, 0.3584, 0.2530



6.7140, 0.3119, 0.3068



6.3811, 0.2913, 0.1378



0.1244, 0.3040, 0.1448

Previews

White Background



This preview shows how the Yxy color 26.5447, 0.3135, 0.4730 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 26.5447, 0.3135, 0.4730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

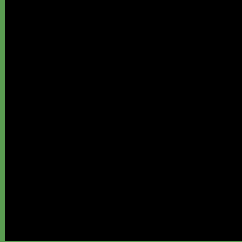
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.5447, 0.3135, 0.4730

Background



This preview shows how black text looks on a background with the Yxy color 26.5447, 0.3135, 0.4730.



This preview shows how white text looks on a background with the Yxy color 26.5447, 0.3135, 0.4730.

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

26.5447, 0.3135, 0.4730

Protanopia

26.1342, 0.3960, 0.4316

Deuteranopia

26.1571, 0.4076, 0.4013



Tritanopia

26.3739, 0.2631, 0.3081

Trichromacy



Original Color

26.5447, 0.3135, 0.4730

Protanomaly

25.9189, 0.3629, 0.4483

Deuteranomaly

25.5615, 0.3693, 0.4274

Tritanomaly

26.1607, 0.2819, 0.3640

Monochromacy



Original Color

26.5447, 0.3135, 0.4730

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.9021, 0.3136, 0.3800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5447, 0.3135, 0.4730 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(90, 156, 81)` looks like.

```
.text, #text, p{  
    color:rgb(90, 156, 81)  
}
```

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(90, 156, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 156, 81) }
```

Border

The CSS property to change the border of an element to Yxy 26.5447, 0.3135, 0.4730 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(90, 156, 81) }
```

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

```
.border{ border-color:rgb(90, 156, 81) }
```

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

Here you see how a box with a 4 pixel rgb(90, 156, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 156, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 156, 81);  
box-shadow:4px 4px 4px 4px rgb(90, 156,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5447, 0.3135, 0.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 156, 81) }
```

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

```
.background{ background-color: rgb(90, 156,  
81) }
```

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