

Converting Colors

$Yxy(24.1863, 0.2948, 0.4697)$

Have a look what the booklet for
Yxy(24.1863, 0.2948, 0.4697)
contains.

Yxy(24.0230, 0.2950, 0.4698)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(24.0230, 0.2950, 0.4698)$

Conversions

Conversions Part 1

Format	Color
Hex	459753
RGB	69, 151, 83
RGB Percent	27%, 59%, 33%
CMY	0.7292, 0.4079, 0.6745
CMYK	0.54, 0.00, 0.45, 0.41
HSL	130°, 37%, 43%
HSV	130°, 54%, 59%
XYZ	15.0847, 24.0230, 12.0268
YIQ	118.7300, -27.0440, -38.5320

Conversions

Conversions Part 2

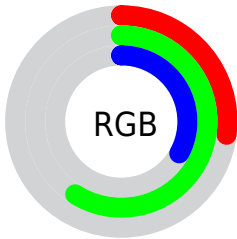
Format	Color
RYB	69, 139, 151
Decimal	4560723
CIELab	56.11, -40.11, 28.37
CIElCh	56, 49.131, 144.732
Yxy	24.0230, 0.2950, 0.4698
Android (android.graphics.Color)	4282750803 (0xFF459753)
YUV	118.7300, -17.6149, -43.6132
Hunter-Lab	49.0133, -30.8367, 19.7607

Details

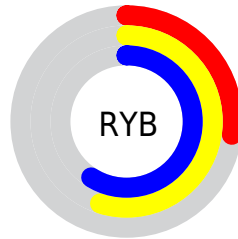
The Yxy color **24.0230, 0.2950, 0.4698** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.6479, 0.3396, 0.2213**, and the grayscale version is **18.4252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1212, 0.3016, 0.4367**, and **9.0511, 0.2813, 0.5326** is the 20% darker color. If you saturate the color by 10%, you get **23.3635, 0.2933, 0.5000**, and if you desaturate by 10%, it is **24.8600, 0.2975, 0.4396**.

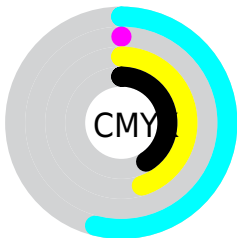
Distribution



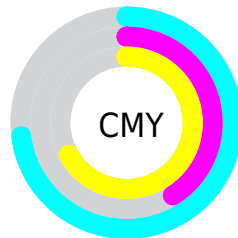
- Red (27%)
- Green (59%)
- Blue (33%)



- Red (27%)
- Yellow (55%)
- Blue (59%)



- Cyan (54%)
- Magenta (0%)
- Yellow (45%)
- Black (41%)





- Cyan (73%)
- Magenta (41%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0230, 0.2950, 0.4698 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 24.0230, 0.2950, 0.4698 by changing the saturation by 10% instead.


 24.0230, 0.2950,
0.4698


 24.0230, 0.2950,
0.4698


272.9367, 0.3078,
0.3867


 15.3507, 0.2896,
0.4959


 50.0677, 0.3010,
0.4359


 9.0659, 0.2809,
0.5332


 68.2089, 0.3028,
0.4244


 4.7842, 0.2650,
0.5898

 90.2752, 0.3042,
0.4151

 2.1212, 0.2524,
0.7476

 116.6510, 0.3053,
0.4074

 0.6765, 0.0000,
1.0000

 147.7206, 0.3061,
0.4010

 0.0000, 0.0000,
0.0000

183.8685, 0.3068,

0.3955

225.4791, 0.3074,
0.3908

■ 24.0230, 0.2950,
0.4698

■ 24.0230, 0.2950,
0.4698

■ 23.3635, 0.2933,
0.5000

■ 24.8600, 0.2975,
0.4396

■ 22.8658, 0.2926,
0.5285

■ 25.8829, 0.3006,
0.4106

■ 22.5164, 0.2930,
0.5535

■ 27.1034, 0.3040,
0.3837

■ 22.2976, 0.2945,
0.5735

■ 28.5311, 0.3076,
0.3593

■ 22.2059, 0.2952,
0.5827

■ 30.1750, 0.3112,
0.3375

■ 32.0438, 0.3147,
0.3183

■ 34.1454, 0.3180,
0.3016

■ 36.4876, 0.3212,
0.2870

■ 39.0776, 0.3241,
0.2744

Harmonies

Analogous

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



24.0230, 0.3756, 0.4852



24.0230, 0.2950, 0.4698



24.0230, 0.2236, 0.3932

Triad

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



24.0230, 0.2950, 0.4698



24.0230, 0.1873, 0.2059



24.0230, 0.4653, 0.3274

Complementary

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



24.0230, 0.2950, 0.4698



12.6479, 0.3396, 0.2213

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.



24.0230, 0.3999, 0.2713



24.0230, 0.2950, 0.4698



24.0230, 0.2358, 0.2047

Square

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



24.0230, 0.2950, 0.4698



24.0230, 0.1685, 0.2363



24.0230, 0.3120, 0.2280



24.0230, 0.4799, 0.3886

Rectangle

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



24.0230, 0.2950, 0.4698



24.0230, 0.1908, 0.3301



24.0230, 0.3120, 0.2280



24.0230, 0.4483, 0.3078

Sweetspot

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



24.0240, 0.2950, 0.4698



50.5434, 0.3069, 0.3641



27.9098, 0.3736, 0.4631



11.3755, 0.3062, 0.3685



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.0240, 0.2950, 0.4698



41.6392, 0.2931, 0.5059



24.8465, 0.2644, 0.3832



6.9419, 0.3094, 0.3480



18.8948, 0.2950, 0.5818



0.2863, 0.2783, 0.5219

Inverse Universe

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



12.6479, 0.3396, 0.2213



19.0845, 0.3473, 0.2029



11.6920, 0.4129, 0.2836



6.3056, 0.3162, 0.3107



6.8664, 0.3681, 0.1802



0.1069, 0.3442, 0.1670

Previews

White Background



This preview shows how the Yxy color 24.0230, 0.2950, 0.4698 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 24.0230, 0.2950, 0.4698 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 24.0230, 0.2950, 0.4698

Background



This preview shows how black text looks on a background with the Yxy color 24.0230, 0.2950, 0.4698.



This preview shows how white text looks on a background with the Yxy color 24.0230, 0.2950, 0.4698.

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

24.0230, 0.2950, 0.4698

Protanopia

23.7891, 0.3900, 0.4237

Deuteranopia

23.6332, 0.3977, 0.3913



Tritanopia

24.0043, 0.2519, 0.3087

Trichromacy



Original Color

24.0230, 0.2950, 0.4698

Protanomaly

23.2426, 0.3501, 0.4423

Deuteranomaly

22.8085, 0.3538, 0.4186

Tritanomaly

23.8218, 0.2673, 0.3642

Monochromacy



Original Color

24.0230, 0.2950, 0.4698

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.0399, 0.3047, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0230, 0.2950, 0.4698 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(69, 151, 83)` looks like.

```
.text, #text, p{  
    color:rgb(69, 151, 83)  
}
```

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(69, 151, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 151, 83) }
```

Border

The CSS property to change the border of an element to Yxy 24.0230, 0.2950, 0.4698 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(69, 151, 83) }
```

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

```
.border{ border-color:rgb(69, 151, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 151, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 151, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 151, 83);  
box-shadow:4px 4px 4px 4px rgb(69, 151,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0230, 0.2950, 0.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 151, 83) }
```

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

```
.background{ background-color: rgb(69, 151,  
83) }
```

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