

Converting Colors

$Y_{xy}(24.3886, 0.2945, 0.4250)$

Have a look what the booklet for
Yxy(24.3886, 0.2945, 0.4250)
contains.

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Color

$\text{Yxy}(24.4129, 0.2946, 0.4247)$

Conversions

Conversions Part 1

Format	Color
Hex	569565
RGB	86, 149, 101
RGB Percent	34%, 58%, 40%
CMY	0.6628, 0.4157, 0.6039
CMYK	0.42, 0.00, 0.32, 0.42
HSL	134°, 27%, 46%
HSV	134°, 42%, 58%
XYZ	16.9344, 24.4129, 16.1354
YIQ	124.6910, -22.1400, -28.2840

Conversions

Conversions Part 2

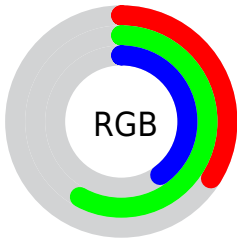
Format	Color
R _{YB}	86, 137, 149
Decimal	5674341
CIE Lab	56.50, -31.14, 19.16
CIE LCh	56, 36.567, 148.399
Yxy	24.4129, 0.2946, 0.4247
Android (android.graphics.Color)	4283864421 (0xFF569565)
YUV	124.6910, -11.6797, -33.9320
Hunter-Lab	49.4094, -25.2880, 15.2245

Details

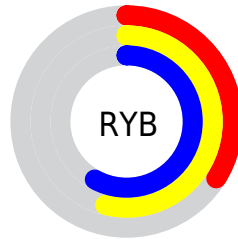
The Yxy color **24.4129, 0.2946, 0.4247** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.7655, 0.3386, 0.2497**, and the grayscale version is **20.4450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9417, 0.2999, 0.4031**, and **9.3418, 0.2843, 0.4664** is the 20% darker color. If you saturate the color by 10%, you get **23.5715, 0.2914, 0.4524**, and if you desaturate by 10%, it is **25.4345, 0.2984, 0.3985**.

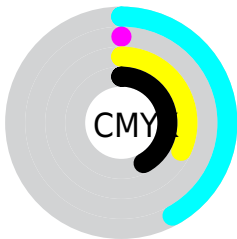
Distribution



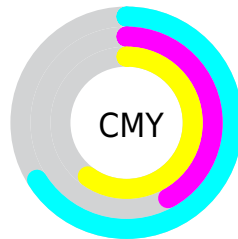
- Red (34%)
- Green (58%)
- Blue (40%)



- Red (34%)
- Yellow (54%)
- Blue (58%)



- Cyan (42%)
- Magenta (0%)
- Yellow (32%)
- Black (42%)





- Cyan (66%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4129, 0.2946, 0.4247 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 24.4129, 0.2946, 0.4247 by changing the saturation by 10% instead.


 24.4129, 0.2946,
0.4247


 24.4129, 0.2946,
0.4247


274.9014, 0.3060,
0.3691


 15.6402, 0.2906,
0.4420


 50.7032, 0.2995,
0.4022


 9.2699, 0.2844,
0.4666


 68.9895, 0.3011,
0.3945


 4.9176, 0.2742,
0.5045

 91.2158, 0.3024,
0.3882

 2.1990, 0.2566,
0.5740

 117.7666, 0.3034,
0.3831

 0.7195, 0.0000,
1.0000

 149.0261, 0.3042,
0.3787

 0.0000, 0.0000,
0.0000

185.3788, 0.3049,

0.3750

227.2091, 0.3055,
0.3718

■ 24.4129, 0.2946,
0.4247

■ 24.4129, 0.2946,
0.4247

■ 23.5715, 0.2914,
0.4524

■ 25.4345, 0.2984,
0.3985

■ 22.8968, 0.2892,
0.4807

■ 26.6428, 0.3027,
0.3744

■ 22.3782, 0.2882,
0.5084


■ 28.0479, 0.3072,
0.3526


■ 22.0025, 0.2885,
0.5340


■ 29.6580, 0.3117,
0.3331

■ 21.7543, 0.2902,
0.5561

■ 31.4810, 0.3161,
0.3160

 21.6202, 0.2918,
0.5704

 33.5243, 0.3204,
0.3010

 35.7951, 0.3244,
0.2879

 38.3001, 0.3283,
0.2765

 41.0457, 0.3318,
0.2666

Harmonies

Analogous

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



24.4129, 0.3563, 0.4451



24.4129, 0.2946, 0.4247



24.4129, 0.2409, 0.3681

Triad

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



24.4129, 0.2946, 0.4247



24.4129, 0.2193, 0.2330



24.4129, 0.4294, 0.3367

Complementary

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



24.4129, 0.2946, 0.4247



14.7655, 0.3386, 0.2497

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.



24.4129, 0.3850, 0.2907



24.4129, 0.2946, 0.4247



24.4129, 0.2611, 0.2335

Square

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



24.4129, 0.2946, 0.4247



24.4129, 0.2011, 0.2559



24.4129, 0.3213, 0.2542



24.4129, 0.4375, 0.3850

Rectangle

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



24.4129, 0.2946, 0.4247



24.4129, 0.2163, 0.3240



24.4129, 0.3213, 0.2542



24.4129, 0.4181, 0.3207

Sweetspot

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



24.4139, 0.2946, 0.4247



49.9660, 0.3067, 0.3546



27.2607, 0.3572, 0.4365



10.9551, 0.3058, 0.3589



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.4139, 0.2946, 0.4247



42.2460, 0.2915, 0.4517



25.1455, 0.2693, 0.3609



6.4898, 0.3086, 0.3463



18.1998, 0.2915, 0.5694



0.2268, 0.2709, 0.4953

Inverse Universe

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



14.7655, 0.3386, 0.2497



22.5317, 0.3466, 0.2327



14.0200, 0.3888, 0.3002



5.8858, 0.3171, 0.3123



6.3950, 0.3902, 0.1923



0.0828, 0.3523, 0.1715

Previews

White Background



This preview shows how the Yxy color 24.4129, 0.2946, 0.4247 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 24.4129, 0.2946, 0.4247 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 24.4129, 0.2946, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 24.4129, 0.2946, 0.4247.



This preview shows how white text looks on a background with the Yxy color 24.4129, 0.2946, 0.4247.

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

24.4129, 0.2946, 0.4247

Protanopia

24.1739, 0.3680, 0.3970

Deuteranopia

23.9895, 0.3758, 0.3680



Tritanopia

24.2758, 0.2601, 0.3073

Trichromacy



Original Color

24.4129, 0.2946, 0.4247

Protanomaly

23.9043, 0.3385, 0.4077

Deuteranomaly

23.5133, 0.3420, 0.3863

Tritanomaly

24.3798, 0.2726, 0.3477

Monochromacy



Original Color

24.4129, 0.2946, 0.4247

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.6907, 0.3056, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4129, 0.2946, 0.4247 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(86, 149, 101)` looks like.

```
.text, #text, p{  
    color:rgb(86, 149, 101)  
}
```

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(86, 149, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 149, 101) }
```

Border

The CSS property to change the border of an element to Yxy 24.4129, 0.2946, 0.4247 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(86, 149, 101) }
```

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

```
.border{ border-color:rgb(86, 149, 101) }
```

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

Here you see how a box with a 4 pixel rgb(86, 149, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 149, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 149, 101);  
box-shadow:4px 4px 4px 4px rgb(86, 149,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4129, 0.2946, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 149, 101) }
```

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

```
.background{ background-color: rgb(86, 149,  
101) }
```

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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