

Converting Colors

$Yxy(24.9428, 0.2834, 0.4126)$

Have a look what the booklet for
Yxy(24.9428, 0.2834, 0.4126)
contains.

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Color

Yxy(24.9428, 0.2834, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	50976D
RGB	80, 151, 109
RGB Percent	31%, 59%, 43%
CMY	0.6864, 0.4078, 0.5726
CMYK	0.47, 0.00, 0.28, 0.41
HSL	145°, 31%, 45%
HSV	145°, 47%, 59%
XYZ	17.1323, 24.9428, 18.3776
YIQ	124.9830, -28.8340, -28.1140

Conversions

Conversions Part 2

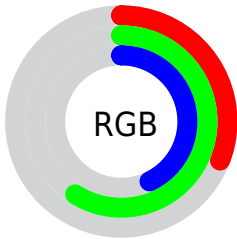
Format	Color
R_{YB}	80, 130, 151
Decimal	5281645
CIE _{Lab}	57.02, -32.30, 15.37
CIE _{LCh}	57, 35.768, 154.554
Yxy	24.9428, 0.2834, 0.4126
Android (android.graphics.Color)	4283471725 (0xFF50976D)
YUV	124.9830, -7.8796, -39.4501
Hunter-Lab	49.9428, -26.1674, 13.1428

Details

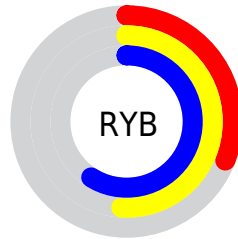
The Yxy color $24.9428, 0.2834, 0.4126$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.7161, 0.3618, 0.2593$, and the grayscale version is $20.5336, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.7024, 0.2902, 0.3930$, and $9.4673, 0.2702, 0.4484$ is the 20% darker color. If you saturate the color by 10%, you get $24.1764, 0.2793, 0.4345$, and if you desaturate by 10%, it is $25.8784, 0.2886, 0.3918$.

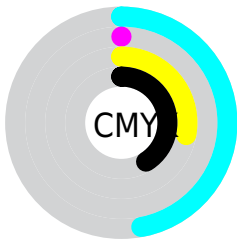
Distribution



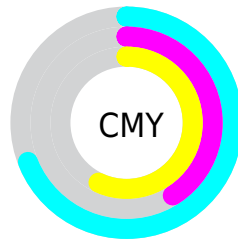
- Red (31%)
- Green (59%)
- Blue (43%)



- Red (31%)
- Yellow (51%)
- Blue (59%)



- Cyan (47%)
- Magenta (0%)
- Yellow (28%)
- Black (41%)




- Cyan (69%)
- Magenta (41%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9428, 0.2834, 0.4126 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 24.9428, 0.2834, 0.4126 by changing the saturation by 10% instead.


 24.9428, 0.2834,
0.4126


 24.9428, 0.2834,
0.4126


277.5530, 0.3007,
0.3643


 16.0344, 0.2779,
0.4275


 51.5644, 0.2904,
0.3931


 9.5485, 0.2700,
0.4487


 70.0465, 0.2928,
0.3864


 5.1007, 0.2576,
0.4813

 92.4885, 0.2948,
0.3810

 2.3064, 0.2357,
0.5368

 119.2750, 0.2964,
0.3765

 0.7771, 0.0000,
1.0000

 150.7903, 0.2977,
0.3727

 0.0000, 0.0000,
0.0000

187.4188, 0.2988,

0.3695

229.5449, 0.2998,
0.3667

■ 24.9428, 0.2834,
0.4126

■ 24.9428, 0.2834,
0.4126

■ 24.1764, 0.2793,
0.4345

■ 25.8784, 0.2886,
0.3918

■ 23.5657, 0.2767,
0.4571

■ 26.9900, 0.2946,
0.3726

■ 23.0998, 0.2757,
0.4796

■ 28.2873, 0.3011,
0.3550


■ 22.7649, 0.2766,
0.5013

■ 29.7787, 0.3079,
0.3391

■ 22.5389, 0.2790,
0.5216


■ 31.4719, 0.3147,
0.3250

 22.4807, 0.2798,
0.5273

 33.3743, 0.3216,
0.3125

 35.4929, 0.3282,
0.3015

 37.8343, 0.3346,
0.2918

 40.4048, 0.3407,
0.2834

Harmonies

Analogous

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



24.9428, 0.3432, 0.4410



24.9428, 0.2834, 0.4126



24.9428, 0.2344, 0.3537

Triad

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



24.9428, 0.2834, 0.4126



24.9428, 0.2283, 0.2338



24.9428, 0.4308, 0.3465

Complementary

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



24.9428, 0.2834, 0.4126



13.7161, 0.3618, 0.2593

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.



24.9428, 0.3940, 0.3005



24.9428, 0.2834, 0.4126



24.9428, 0.2734, 0.2385

Square

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



24.9428, 0.2834, 0.4126



24.9428, 0.2056, 0.2514



24.9428, 0.3342, 0.2623



24.9428, 0.4310, 0.3931

Rectangle

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



24.9428, 0.2834, 0.4126



24.9428, 0.2136, 0.3118



24.9428, 0.3342, 0.2623



24.9428, 0.4222, 0.3307

Sweetspot

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



24.9438, 0.2834, 0.4126



51.3567, 0.3029, 0.3504



26.8954, 0.3483, 0.4543



11.5564, 0.3016, 0.3537



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.



24.9438, 0.2834, 0.4126



43.2828, 0.2793, 0.4347



25.8505, 0.2567, 0.3421



6.9653, 0.3064, 0.3425



19.1279, 0.2795, 0.5261



0.2929, 0.2567, 0.4442

Inverse Universe

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



13.7161, 0.3618, 0.2593



20.7493, 0.3773, 0.2459



13.0008, 0.4235, 0.3173



6.2809, 0.3196, 0.3159



6.2207, 0.4539, 0.2274



0.1002, 0.3850, 0.1894

Previews

White Background



This preview shows how the Yxy color 24.9428, 0.2834, 0.4126 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 24.9428, 0.2834, 0.4126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

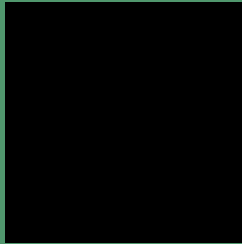
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9428, 0.2834, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 24.9428, 0.2834, 0.4126.



This preview shows how white text looks on a background with the Yxy color 24.9428, 0.2834, 0.4126.

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

24.9428, 0.2834, 0.4126

Protanopia

24.6786, 0.3611, 0.3865

Deuteranopia

24.5930, 0.3642, 0.3583



Tritanopia

24.9604, 0.2540, 0.3073

Trichromacy



Original Color

24.9428, 0.2834, 0.4126

Protanomaly

24.2072, 0.3280, 0.3950

Deuteranomaly

24.0139, 0.3295, 0.3756

Tritanomaly

24.8356, 0.2643, 0.3420

Monochromacy



Original Color

24.9428, 0.2834, 0.4126

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.6333, 0.3004, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9428, 0.2834, 0.4126 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(80, 151, 109)` looks like.

```
.text, #text, p{  
    color:rgb(80, 151, 109)  
}
```

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(80, 151, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 151, 109) }
```

Border

The CSS property to change the border of an element to Yxy 24.9428, 0.2834, 0.4126 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(80, 151, 109) }
```

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

```
.border{ border-color:rgb(80, 151, 109) }
```

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

Here you see how a box with a 4 pixel rgb(80, 151, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 151, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 151, 109);  
box-shadow:4px 4px 4px 4px rgb(80, 151,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9428, 0.2834, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 151, 109) }
```

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

```
.background{ background-color: rgb(80, 151,  
109) }
```

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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