

Converting Colors

$Y_{xy}(23.8601, 0.3276, 0.4814)$

Have a look what the booklet for
Yxy(23.8601, 0.3276, 0.4814)
contains.

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Color

Yxy(24.0017, 0.3270, 0.4812)

Conversions

Conversions Part 1

Format	Color
Hex	5E9446
RGB	94, 148, 70
RGB Percent	37%, 58%, 27%
CMY	0.6314, 0.4196, 0.7255
CMYK	0.36, 0.00, 0.53, 0.42
HSL	102°, 36%, 43%
HSV	102°, 53%, 58%
XYZ	16.3104, 24.0017, 9.5668
YIQ	122.9620, -7.1460, -35.7060

Conversions

Conversions Part 2

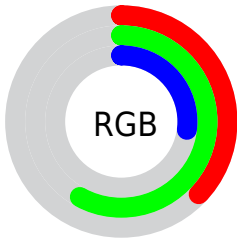
Format	Color
R_{YB}	70, 148, 124
Decimal	6198342
CIE _{Lab}	56.09, -32.88, 35.38
CIE _{LCh}	56, 48.299, 132.903
Yxy	24.0017, 0.3270, 0.4812
Android (android.graphics.Color)	4284388422 (0xFF5E9446)
YUV	122.9620, -26.1103, -25.3997
Hunter-Lab	48.9915, -26.3085, 22.7163

Details

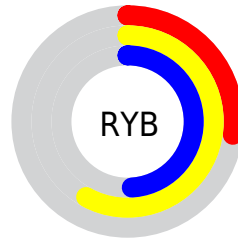
The Yxy color $24.0017, 0.3270, 0.4812$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $10.8046, 0.2834, 0.1932$, and the grayscale version is $19.8831, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8002, 0.3269, 0.4454$, and $9.0958, 0.3224, 0.5465$ is the 20% darker color. If you saturate the color by 10%, you get $23.3320, 0.3271, 0.5116$, and if you desaturate by 10%, it is $24.7914, 0.3257, 0.4496$.

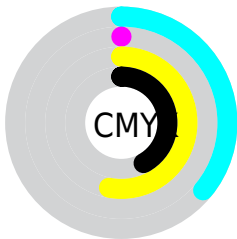
Distribution



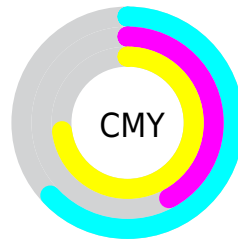
- Red (37%)
- Green (58%)
- Blue (27%)



- Red (27%)
- Yellow (58%)
- Blue (49%)



- Cyan (36%)
- Magenta (0%)
- Yellow (53%)
- Black (42%)



- Cyan (63%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0017, 0.3270, 0.4812 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 24.0017, 0.3270, 0.4812 by changing the saturation by 10% instead.


 24.0017, 0.3270,
0.4812


 24.0017, 0.3270,
0.4812


272.8291, 0.3228,
0.3925


 15.3349, 0.3259,
0.5081


 50.0330, 0.3267,
0.4456


 9.0548, 0.3224,
0.5454


 68.1662, 0.3262,
0.4332

 4.7769, 0.3139,
0.6016

 90.2237, 0.3256,
0.4232

 2.1170, 0.2963,
0.7037

 116.5899, 0.3250,
0.4149

 0.6741, 0.0000,
1.0000

 147.6491, 0.3244,
0.4080

 0.0000, 0.0000,
0.0000

183.7858, 0.3238,

0.4020

225.3843, 0.3233,
0.3969

■ 24.0017, 0.3270,
0.4812

■ 24.0017, 0.3270,
0.4812

■ 23.3320, 0.3271,
0.5116

■ 24.7914, 0.3257,
0.4496

■ 22.7731, 0.3258,
0.5390

■ 25.7039, 0.3234,
0.4183

■ 22.3190, 0.3230,
0.5616

■ 26.7456, 0.3205,
0.3884

■ 21.9619, 0.3190,
0.5781

■ 27.9214, 0.3172,
0.3607

■ 21.7512, 0.3159,
0.5874

■ 29.2361, 0.3137,
0.3354

■ 30.6941, 0.3101,
0.3127

■ 32.2999, 0.3066,
0.2924

■ 34.0575, 0.3032,
0.2745

■ 35.9708, 0.2999,
0.2587

Harmonies

Analogous

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



24.0017, 0.4040, 0.4726



24.0017, 0.3270, 0.4812



24.0017, 0.2504, 0.4267

Triad

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



24.0017, 0.3270, 0.4812



24.0017, 0.1782, 0.2158



24.0017, 0.4424, 0.3048

Complementary

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



24.0017, 0.3270, 0.4812



10.8046, 0.2834, 0.1932

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.



24.0017, 0.3649, 0.2534



24.0017, 0.3270, 0.4812



24.0017, 0.2146, 0.2038

Square

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



24.0017, 0.3270, 0.4812



24.0017, 0.1712, 0.2589



24.0017, 0.2798, 0.2177



24.0017, 0.4782, 0.3641

Rectangle

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



24.0017, 0.3270, 0.4812



24.0017, 0.2101, 0.3667



24.0017, 0.2798, 0.2177



24.0017, 0.4197, 0.2864

Sweetspot

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



24.0027, 0.3270, 0.4812



48.4844, 0.3184, 0.3704



20.9798, 0.4073, 0.4180



10.9798, 0.3191, 0.3756



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.



24.0027, 0.3270, 0.4812



40.9992, 0.3270, 0.5161



23.1284, 0.2946, 0.4626



6.5498, 0.3160, 0.3515



18.5906, 0.3163, 0.5871



0.2417, 0.3485, 0.5615

Inverse Universe

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



10.8046, 0.2834, 0.1932



15.1383, 0.2745, 0.1660



12.3894, 0.3402, 0.2256



5.8206, 0.3091, 0.3069



4.2782, 0.2462, 0.1130



0.0679, 0.2826, 0.1330

Previews

White Background



This preview shows how the Yxy color 24.0017, 0.3270, 0.4812 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 24.0017, 0.3270, 0.4812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

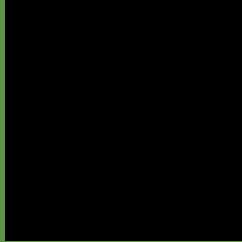
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0017, 0.3270, 0.4812

Background



This preview shows how black text looks on a background with the Yxy color 24.0017, 0.3270, 0.4812.



This preview shows how white text looks on a background with the Yxy color 24.0017, 0.3270, 0.4812.

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

24.0017, 0.3270, 0.4812

Protanopia

23.7277, 0.4028, 0.4406

Deuteranopia

23.7329, 0.4169, 0.4106



Tritanopia

23.7930, 0.2703, 0.3092

Trichromacy



Original Color

24.0017, 0.3270, 0.4812

Protanomaly

23.4597, 0.3723, 0.4561

Deuteranomaly

23.2123, 0.3820, 0.4357

Tritanomaly

23.5513, 0.2916, 0.3691

Monochromacy



Original Color

24.0017, 0.3270, 0.4812

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.9467, 0.3193, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0017, 0.3270, 0.4812 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(94, 148, 70)` looks like.

```
.text, #text, p{  
    color:rgb(94, 148, 70)  
}
```

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(94, 148, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 148, 70) }
```

Border

The CSS property to change the border of an element to Yxy 24.0017, 0.3270, 0.4812 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(94, 148, 70) }
```

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

```
.border{ border-color:rgb(94, 148, 70) }
```

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

Here you see how a box with a 4 pixel rgb(94, 148, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 148, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 148, 70);  
box-shadow:4px 4px 4px 4px rgb(94, 148,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0017, 0.3270, 0.4812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 148, 70) }
```

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

```
.background{ background-color: rgb(94, 148,  
70) }
```

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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