

Converting Colors

$Y_{xy}(24.3494, 0.3123, 0.4310)$

Have a look what the booklet for
Yxy(24.3494, 0.3123, 0.4310)
contains.

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Color

Yxy(24.3463, 0.3118, 0.4302)

Conversions

Conversions Part 1

Format	Color
Hex	63935F
RGB	99, 147, 95
RGB Percent	39%, 58%, 37%
CMY	0.6118, 0.4235, 0.6274
CMYK	0.33, 0.00, 0.35, 0.42
HSL	115°, 21%, 47%
HSV	115°, 35%, 58%
XYZ	17.6457, 24.3463, 14.6010
YIQ	126.7200, -11.9160, -26.3480

Conversions

Conversions Part 2

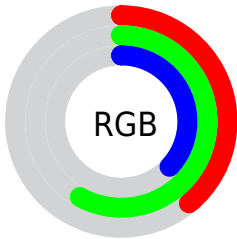
Format	Color
R_{YB}	95, 147, 143
Decimal	6525791
CIE _{Lab}	56.43, -26.98, 22.51
CIE _{LCh}	56, 35.137, 140.150
Yxy	24.3463, 0.3118, 0.4302
Android (android.graphics.Color)	4284715871 (0xFF63935F)
YUV	126.7200, -15.6380, -24.3104
Hunter-Lab	49.3420, -22.5132, 16.9946

Details

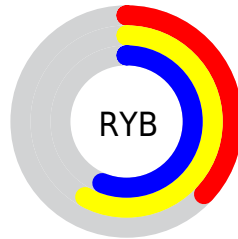
The Yxy color **24.3463, 0.3118, 0.4302** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.1371, 0.3114, 0.2428**, and the grayscale version is **21.1812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4279, 0.3128, 0.4062**, and **9.2321, 0.3072, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **23.4032, 0.3109, 0.4641**, and if you desaturate by 10%, it is **25.4704, 0.3124, 0.3980**.

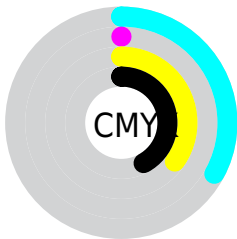
Distribution



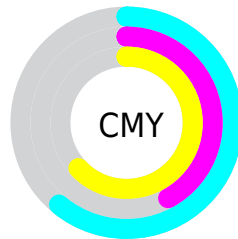
- Red (39%)
- Green (58%)
- Blue (37%)



- Red (37%)
- Yellow (58%)
- Blue (56%)



- Cyan (33%)
- Magenta (0%)
- Yellow (35%)
- Black (42%)




- Cyan (61%)
- Magenta (42%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3463, 0.3118, 0.4302 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 24.3463, 0.3118, 0.4302 by changing the saturation by 10% instead.


 24.3463, 0.3118,
0.4302


 24.3463, 0.3118,
0.4302


274.5666, 0.3139,
0.3715


 15.5907, 0.3103,
0.4483


 50.5947, 0.3131,
0.4066

 9.2350, 0.3076,
0.4739

 68.8563, 0.3134,
0.3984

 4.8948, 0.3020,
0.5128

 91.0554, 0.3136,
0.3918

 2.1857, 0.2964,
0.5932

 117.5764, 0.3137,
0.3864

 0.7122, 0.0252,
0.9748

148.8036, 0.3138,
0.3818

 0.0000, 0.0000,
0.0000

185.1214, 0.3138,

0.3778

226.9143, 0.3139,
0.3745

■ 24.3463, 0.3118,
0.4302

■ 24.3463, 0.3118,
0.4302

■ 23.4032, 0.3109,
0.4641

■ 25.4704, 0.3124,
0.3980

■ 22.6289, 0.3097,
0.4982

■ 26.7811, 0.3126,
0.3684

■ 22.0141, 0.3082,
0.5304

■ 28.2874, 0.3127,
0.3419

■ 21.5478, 0.3064,
0.5583


■ 29.9970, 0.3127,
0.3185

■ 21.2173, 0.3044,
0.5797

■ 31.9169, 0.3125,
0.2981

 21.0072, 0.3026,
0.5933

 34.0540, 0.3122,
0.2803

 20.9408, 0.3021,
0.5983

 36.4148, 0.3119,
0.2650

 39.0055, 0.3116,
0.2517

 41.8322, 0.3113,
0.2402

Harmonies

Analogous

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



24.3463, 0.3706, 0.4390



24.3463, 0.3118, 0.4302



24.3463, 0.2562, 0.3836

Triad

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



24.3463, 0.3118, 0.4302



24.3463, 0.2153, 0.2401



24.3463, 0.4162, 0.3240

Complementary

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



24.3463, 0.3118, 0.4302



16.1371, 0.3114, 0.2428

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.



24.3463, 0.3663, 0.2812



24.3463, 0.3118, 0.4302



24.3463, 0.2498, 0.2345

Square

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



24.3463, 0.3118, 0.4302



24.3463, 0.2043, 0.2690



24.3463, 0.3040, 0.2494



24.3463, 0.4345, 0.3709

Rectangle

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



24.3463, 0.3118, 0.4302



24.3463, 0.2283, 0.3416



24.3463, 0.3040, 0.2494



24.3463, 0.4024, 0.3089

Sweetspot

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



24.3473, 0.3118, 0.4302



49.0316, 0.3127, 0.3571



26.5759, 0.3664, 0.4079



11.1196, 0.3127, 0.3604



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.



24.3473, 0.3118, 0.4302



42.3037, 0.3112, 0.4556



24.5790, 0.2892, 0.3875



6.4884, 0.3127, 0.3518



18.1590, 0.3023, 0.5982



0.2265, 0.3135, 0.5893

Inverse Universe

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



16.1371, 0.3114, 0.2428



25.4523, 0.3107, 0.2251



15.8813, 0.3466, 0.2773



5.8869, 0.3126, 0.3071



6.3509, 0.3022, 0.1439



0.0831, 0.3122, 0.1493

Previews

White Background



This preview shows how the Yxy color 24.3463, 0.3118, 0.4302 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 24.3463, 0.3118, 0.4302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

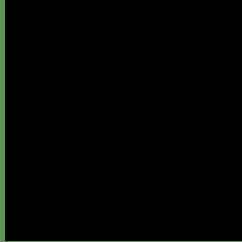
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3463, 0.3118, 0.4302

Background



This preview shows how black text looks on a background with the Yxy color 24.3463, 0.3118, 0.4302.



This preview shows how white text looks on a background with the Yxy color 24.3463, 0.3118, 0.4302.

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

24.3463, 0.3118, 0.4302

Protanopia

24.1771, 0.3746, 0.4050

Deuteranopia

23.9723, 0.3841, 0.3774



Tritanopia

24.2417, 0.2715, 0.3094

Trichromacy



Original Color

24.3463, 0.3118, 0.4302

Protanomaly

23.9051, 0.3498, 0.4136

Deuteranomaly

23.8085, 0.3545, 0.3957

Tritanomaly

24.2869, 0.2855, 0.3512

Monochromacy



Original Color

24.3463, 0.3118, 0.4302

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.0699, 0.3133, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3463, 0.3118, 0.4302 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 $rgb(99, 147, 95)$ looks like.

```
.text, #text, p{  
    color:rgb(99, 147, 95)  
}
```

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(99, 147, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 147, 95) }
```

Border

The CSS property to change the border of an element to Yxy 24.3463, 0.3118, 0.4302 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(99, 147, 95) }
```

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

```
.border{ border-color:rgb(99, 147, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 147, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 147, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 147, 95);  
box-shadow:4px 4px 4px 4px rgb(99, 147,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3463, 0.3118, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 147, 95) }
```

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

```
.background{ background-color: rgb(99, 147,  
95) }
```

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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