

Converting Colors

$Y_{xy}(24.1743, 0.3867, 0.4860)$

Have a look what the booklet for
Yxy(24.1743, 0.3867, 0.4860)
contains.

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Color

$\text{Yxy}(24.2184, 0.3863, 0.4862)$

Conversions

Conversions Part 1

Format	Color
Hex	818E2F
RGB	129, 142, 47
RGB Percent	51%, 56%, 18%
CMY	0.4940, 0.4431, 0.8156
CMYK	0.09, 0.00, 0.67, 0.44
HSL	68°, 50%, 37%
HSV	68°, 67%, 56%
XYZ	19.2422, 24.2184, 6.3510
YIQ	127.2830, 22.7470, -32.3010

Conversions

Conversions Part 2

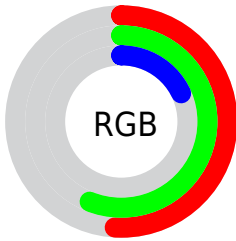
Format	Color
R_{YB}	47, 142, 60
Decimal	8490543
CIE Lab	56.31, -18.07, 47.10
CIE LCh	56, 50.450, 110.991
Yxy	24.2184, 0.3863, 0.4862
Android (android.graphics.Color)	4286680623 (0xFF818E2F)
YUV	127.2830, -39.5795, 1.5058
Hunter-Lab	49.2122, -16.3269, 26.7970

Details

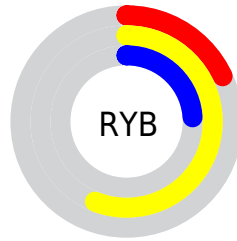
The Yxy color $24.2184, 0.3863, 0.4862$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $4.9474, 0.1998, 0.1274$, and the grayscale version is $21.4611, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.5520, 0.3745, 0.4539$, and $9.2321, 0.3927, 0.5264$ is the 20% darker color. If you saturate the color by 10%, you get $23.9724, 0.3918, 0.5021$, and if you desaturate by 10%, it is $24.5068, 0.3785, 0.4667$.

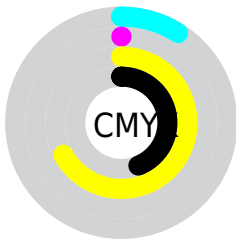
Distribution



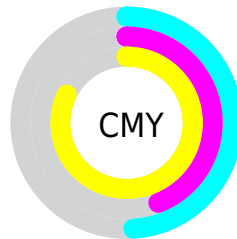
- Red (51%)
- Green (56%)
- Blue (18%)



- Red (18%)
- Yellow (56%)
- Blue (24%)



- Cyan (9%)
- Magenta (0%)
- Yellow (67%)
- Black (44%)





- Cyan (49%)
- Magenta (44%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2184, 0.3863, 0.4862 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 24.2184, 0.3863, 0.4862 by changing the saturation by 10% instead.


 24.2184, 0.3863,
0.4862

 24.2184, 0.3863,
0.4862


273.9228, 0.3508,
0.3992


 15.4957, 0.3927,
0.5092


 50.3864, 0.3747,
0.4532


 9.1680, 0.3980,
0.5381


 68.6004, 0.3698,
0.4411

 4.8509, 0.4100,
0.5900

 90.7471, 0.3655,
0.4311

 2.1601, 0.3851,
0.6149

 117.2107, 0.3618,
0.4226

 0.6981, 0.2416,
0.7584

 148.3757, 0.3585,
0.4155

 0.0000, 0.0000,
0.0000

 184.6264, 0.3556,

0.4093

226.3473, 0.3531,
0.4039

■ 24.2184, 0.3863,
0.4862

■ 24.2184, 0.3863,
0.4862

■ 23.9724, 0.3918,
0.5021

■ 24.5068, 0.3785,
0.4667

■ 23.7617, 0.3949,
0.5138

■ 24.8375, 0.3688,
0.4444

■ 23.5809, 0.3958,
0.5216

■ 25.2146, 0.3578,
0.4202

■ 23.5268, 0.3960,
0.5238

■ 25.6408, 0.3458,
0.3951

■ 26.1185, 0.3335,
0.3699

■ 26.6500, 0.3211,
0.3453

■ 27.2374, 0.3090,
0.3218

■ 27.8828, 0.2975,
0.2998

■ 28.5880, 0.2866,
0.2793

Harmonies

Analogous

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



24.2184, 0.4533, 0.4424



24.2184, 0.3863, 0.4862



24.2184, 0.3045, 0.4794

Triad

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



24.2184, 0.3863, 0.4862



24.2184, 0.1655, 0.2403



24.2184, 0.3911, 0.2637

Complementary

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



24.2184, 0.3863, 0.4862



4.9474, 0.1998, 0.1274

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.



24.2184, 0.3009, 0.2219



24.2184, 0.3863, 0.4862



24.2184, 0.1809, 0.2055

Square

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



24.2184, 0.3863, 0.4862



24.2184, 0.1808, 0.3110



24.2184, 0.2263, 0.2011



24.2184, 0.4631, 0.3194

Rectangle

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



24.2184, 0.3863, 0.4862



24.2184, 0.2522, 0.4367



24.2184, 0.2263, 0.2011



24.2184, 0.3610, 0.2478

Sweetspot

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



24.2195, 0.3863, 0.4862



45.7521, 0.3378, 0.3788



9.1541, 0.5068, 0.3497



10.1725, 0.3409, 0.3850



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.2195, 0.3863, 0.4862



42.0902, 0.3936, 0.5082



21.3373, 0.3323, 0.5194



6.2486, 0.3239, 0.3509



21.1303, 0.3961, 0.5237



0.2087, 0.4082, 0.5141

Inverse Universe

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



4.9474, 0.1998, 0.1274



5.6132, 0.1759, 0.0903



7.1235, 0.2637, 0.1568



5.2881, 0.3010, 0.3064



1.8866, 0.1567, 0.0637



0.0235, 0.1834, 0.0784

Previews

White Background



This preview shows how the Yxy color 24.2184, 0.3863, 0.4862 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 24.2184, 0.3863, 0.4862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

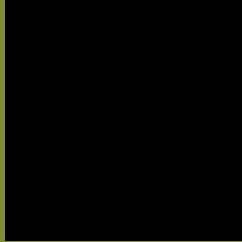
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2184, 0.3863, 0.4862

Background



This preview shows how black text looks on a background with the Yxy color 24.2184, 0.3863, 0.4862.



This preview shows how white text looks on a background with the Yxy color 24.2184, 0.3863, 0.4862.

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

24.2184, 0.3863, 0.4862

Protanopia

24.0967, 0.4213, 0.4636

Deuteranopia

24.0111, 0.4445, 0.4358



Tritanopia

24.2472, 0.3090, 0.3123

Trichromacy



Original Color

24.2184, 0.3863, 0.4862

Protanomaly

24.2139, 0.4078, 0.4722

Deuteranomaly

23.8754, 0.4236, 0.4538

Tritanomaly

23.8419, 0.3413, 0.3784

Monochromacy



Original Color

24.2184, 0.3863, 0.4862

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.9736, 0.3450, 0.3916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2184, 0.3863, 0.4862 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(129, 142, 47)` looks like.

```
.text, #text, p{  
    color:rgb(129, 142, 47)  
}
```

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(129, 142, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 142, 47) }
```

Border

The CSS property to change the border of an element to Yxy 24.2184, 0.3863, 0.4862 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(129, 142, 47) }
```

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

```
.border{ border-color:rgb(129, 142, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 142, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 142, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 142, 47);  
box-shadow:4px 4px 4px 4px rgb(129, 142,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2184, 0.3863, 0.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 142, 47) }
```

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

```
.background{ background-color: rgb(129,  
142, 47) }
```

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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