

Converting Colors

$Y_{xy}(24.3978, 0.3642, 0.4846)$

Have a look what the booklet for
Yxy(24.3978, 0.3642, 0.4846)
contains.

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Color

Yxy(24.3978, 0.3642, 0.4846)

Conversions

Conversions Part 1

Format	Color
Hex	769139
RGB	118, 145, 57
RGB Percent	46%, 57%, 22%
CMY	0.5372, 0.4314, 0.7765
CMYK	0.19, 0.00, 0.61, 0.43
HSL	78°, 44%, 40%
HSV	78°, 61%, 57%
XYZ	18.3361, 24.3978, 7.6124
YIQ	126.8950, 12.1560, -33.0920

Conversions

Conversions Part 2

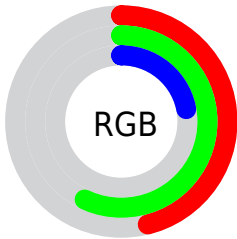
Format	Color
RYB	57, 145, 84
Decimal	7770425
CIELab	56.48, -23.52, 42.58
CIELCh	56, 48.646, 118.917
Yxy	24.3978, 0.3642, 0.4846
Android (android.graphics.Color)	4285960505 (0xFF769139)
YUV	126.8950, -34.4582, -7.8009
Hunter-Lab	49.3941, -20.1769, 25.4384

Details

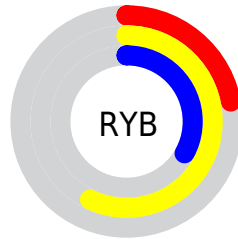
The Yxy color **24.3978, 0.3642, 0.4846** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.8538, 0.2291, 0.1535**, and the grayscale version is **21.3038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7002, 0.3562, 0.4499**, and **9.2031, 0.3716, 0.5403** is the 20% darker color. If you saturate the color by 10%, you get **23.9702, 0.3682, 0.5062**, and if you desaturate by 10%, it is **24.8836, 0.3582, 0.4601**.

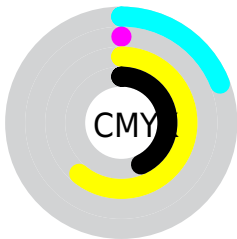
Distribution



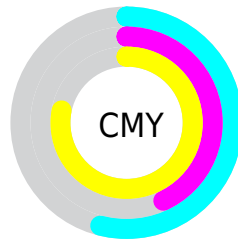
- Red (46%)
- Green (57%)
- Blue (22%)



- Red (22%)
- Yellow (57%)
- Blue (33%)



- Cyan (19%)
- Magenta (0%)
- Yellow (61%)
- Black (43%)




- Cyan (54%)
- Magenta (43%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3978, 0.3642, 0.4846 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 24.3978, 0.3642, 0.4846 by changing the saturation by 10% instead.


 24.3978, 0.3642,
0.4846


 24.3978, 0.3642,
0.4846


274.8255, 0.3402,
0.3965


 15.6290, 0.3680,
0.5093


 50.6786, 0.3566,
0.4503

 9.2620, 0.3705,
0.5419


 68.9593, 0.3533,
0.4381

 4.9125, 0.3761,
0.5977

 91.1795, 0.3504,
0.4280

 2.1960, 0.3538,
0.6462

 117.7235, 0.3479,
0.4196

 0.7178, 0.1308,
0.8692

 148.9757, 0.3456,
0.4125

 0.0000, 0.0000,
0.0000

 185.3205, 0.3436,

0.4064

227.1423, 0.3418,
0.4011

■ 24.3978, 0.3642,
0.4846

■ 24.3978, 0.3642,
0.4846

■ 23.9702, 0.3682,
0.5062

■ 24.8836, 0.3582,
0.4601

■ 23.5937, 0.3699,
0.5240

■ 25.4277, 0.3506,
0.4339

■ 23.2649, 0.3693,
0.5373

■ 26.0343, 0.3419,
0.4071

■ 22.9911, 0.3671,
0.5467

■ 26.7062, 0.3325,
0.3805

■ 27.4461, 0.3229,
0.3548

■ 28.2564, 0.3134,
0.3306

■ 29.1395, 0.3041,
0.3081

■ 30.0975, 0.2952,
0.2874

■ 31.1326, 0.2868,
0.2685

Harmonies

Analogous

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



24.3978, 0.4345, 0.4531



24.3978, 0.3642, 0.4846



24.3978, 0.2846, 0.4599

Triad

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



24.3978, 0.3642, 0.4846



24.3978, 0.1711, 0.2315



24.3978, 0.4098, 0.2793

Complementary

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



24.3978, 0.3642, 0.4846



6.8538, 0.2291, 0.1535

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.



24.3978, 0.3241, 0.2342



24.3978, 0.3642, 0.4846



24.3978, 0.1938, 0.2057

Square

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



24.3978, 0.3642, 0.4846



24.3978, 0.1781, 0.2908



24.3978, 0.2459, 0.2081



24.3978, 0.4684, 0.3359

Rectangle

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



24.3978, 0.3642, 0.4846



24.3978, 0.2368, 0.4098



24.3978, 0.2459, 0.2081



24.3978, 0.3824, 0.2626

Sweetspot

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



24.3989, 0.3642, 0.4846



48.1224, 0.3303, 0.3744



12.5623, 0.4628, 0.3741



10.6307, 0.3328, 0.3813



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.3989, 0.3642, 0.4846



42.6577, 0.3692, 0.5135



22.0261, 0.3182, 0.5104



6.2036, 0.3215, 0.3510



19.7339, 0.3675, 0.5464



0.2003, 0.3927, 0.5264

Inverse Universe

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



6.8538, 0.2291, 0.1535



8.3616, 0.2064, 0.1161



9.5126, 0.2919, 0.1805



5.3302, 0.3034, 0.3066



2.2342, 0.1733, 0.0728



0.0319, 0.2191, 0.0981

Previews

White Background



This preview shows how the Yxy color 24.3978, 0.3642, 0.4846 looks on a white background.

Color Contrast Check

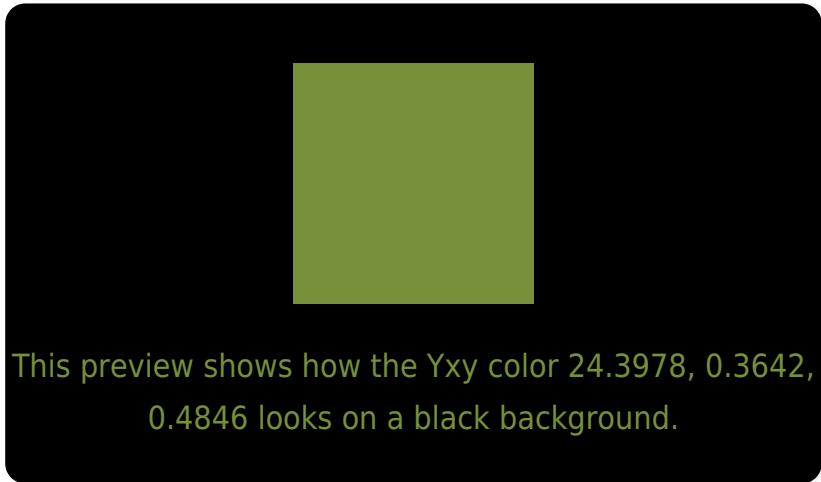
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

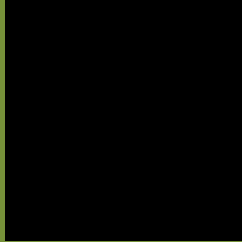
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3978, 0.3642, 0.4846

Background



This preview shows how black text looks on a background with the Yxy color 24.3978, 0.3642, 0.4846.



This preview shows how white text looks on a background with the Yxy color 24.3978, 0.3642, 0.4846.

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

24.3978, 0.3642, 0.4846

Protanopia

24.1736, 0.4148, 0.4539

Deuteranopia

24.2638, 0.4336, 0.4267



Tritanopia

24.3820, 0.2942, 0.3102

Trichromacy



Original Color

24.3978, 0.3642, 0.4846

Protanomaly

24.2300, 0.3955, 0.4659

Deuteranomaly

24.0438, 0.4075, 0.4479

Tritanomaly

24.0401, 0.3227, 0.3743

Monochromacy



Original Color

24.3978, 0.3642, 0.4846

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.2946, 0.3352, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3978, 0.3642, 0.4846 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(118, 145, 57)` looks like.

```
.text, #text, p{  
    color:rgb(118, 145, 57)  
}
```

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(118, 145, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 145, 57) }
```

Border

The CSS property to change the border of an element to Yxy 24.3978, 0.3642, 0.4846 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(118, 145, 57) }
```

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

```
.border{ border-color:rgb(118, 145, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 145, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 145, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 145, 57);  
box-shadow:4px 4px 4px 4px rgb(118, 145,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3978, 0.3642, 0.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 145, 57) }
```

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

```
.background{ background-color: rgb(118,  
145, 57) }
```

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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