

Converting Colors

$Y_{xy}(24.6493, 0.3622, 0.4844)$

Have a look what the booklet for
Yxy(24.6493, 0.3622, 0.4844)
contains.

Yxy(24.6452, 0.3617, 0.4850)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.6452, 0.3617, 0.4850)

Conversions

Conversions Part 1

Format	Color
Hex	75923A
RGB	117, 146, 58
RGB Percent	46%, 57%, 23%
CMY	0.5411, 0.4274, 0.7726
CMYK	0.20, 0.00, 0.60, 0.43
HSL	80°, 43%, 40%
HSV	80°, 60%, 57%
XYZ	18.3797, 24.6452, 7.7899
YIQ	127.2970, 10.9640, -33.5160

Conversions

Conversions Part 2

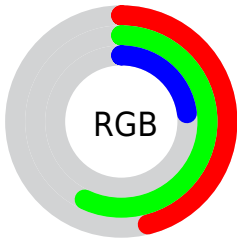
Format	Color
RYB	58, 146, 87
Decimal	7705146
CIELab	56.73, -24.35, 42.37
CIELCh	57, 48.863, 119.884
Yxy	24.6452, 0.3617, 0.4850
Android (android.graphics.Color)	4285895226 (0xFF75923A)
YUV	127.2970, -34.1634, -9.0305
Hunter-Lab	49.6439, -20.7906, 25.4472

Details

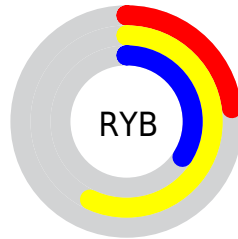
The Yxy color **24.6452, 0.3617, 0.4850** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.1261, 0.2323, 0.1557**, and the grayscale version is **21.4490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0706, 0.3543, 0.4500**, and **9.3492, 0.3682, 0.5417** is the 20% darker color. If you saturate the color by 10%, you get **24.1935, 0.3654, 0.5072**, and if you desaturate by 10%, it is **25.1583, 0.3560, 0.4600**.

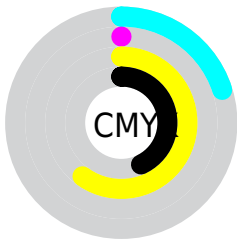
Distribution



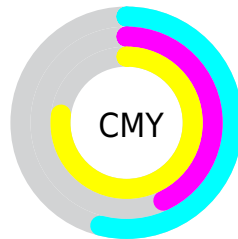
- Red (46%)
- Green (57%)
- Blue (23%)



- Red (23%)
- Yellow (57%)
- Blue (34%)



- Cyan (20%)
- Magenta (0%)
- Yellow (60%)
- Black (43%)





- Cyan (54%)
- Magenta (43%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6452, 0.3617, 0.4850 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 24.6452, 0.3617, 0.4850 by changing the saturation by 10% instead.


 24.6452, 0.3617,
0.4850

 24.6452, 0.3617,
0.4850


276.0664, 0.3391,
0.3966

 15.8129, 0.3652,
0.5099


 51.0810, 0.3547,
0.4506


 9.3919, 0.3672,
0.5428


 69.4534, 0.3516,
0.4383


 4.9977, 0.3713,
0.5977

 91.7746, 0.3488,
0.4282

 2.2459, 0.3500,
0.6500

 118.4289, 0.3464,
0.4198

 0.7448, 0.1323,
0.8677

 149.8009, 0.3442,
0.4126

 0.0000, 0.0000,
0.0000

 186.2749, 0.3423,

0.4065

228.2352, 0.3406,
0.4013

■ 24.6452, 0.3617,
0.4850

■ 24.6452, 0.3617,
0.4850

■ 24.1935, 0.3654,
0.5072

■ 25.1583, 0.3560,
0.4600

■ 23.7961, 0.3669,
0.5256

■ 25.7331, 0.3487,
0.4334

■ 23.4494, 0.3659,
0.5395

■ 26.3738, 0.3404,
0.4063

■ 23.1498, 0.3634,
0.5496

■ 27.0833, 0.3314,
0.3796

■ 27.8644, 0.3222,
0.3539

■ 28.7196, 0.3130,
0.3297

■ 29.6513, 0.3040,
0.3072

■ 30.6619, 0.2955,
0.2866

■ 31.7534, 0.2874,
0.2679

Harmonies

Analogous

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



24.6452, 0.4327, 0.4548



24.6452, 0.3617, 0.4850



24.6452, 0.2820, 0.4582

Triad

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



24.6452, 0.3617, 0.4850



24.6452, 0.1712, 0.2300



24.6452, 0.4124, 0.2810

Complementary

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



24.6452, 0.3617, 0.4850



7.1261, 0.2323, 0.1557

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.



24.6452, 0.3269, 0.2353



24.6452, 0.3617, 0.4850



24.6452, 0.1949, 0.2053

Square

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



24.6452, 0.3617, 0.4850



24.6452, 0.1772, 0.2883



24.6452, 0.2480, 0.2085



24.6452, 0.4697, 0.3378

Rectangle

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



24.6452, 0.3617, 0.4850



24.6452, 0.2347, 0.4070



24.6452, 0.2480, 0.2085



24.6452, 0.3852, 0.2641

Sweetspot

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



24.6463, 0.3617, 0.4850



48.0312, 0.3297, 0.3745



13.0501, 0.4597, 0.3765



10.6078, 0.3321, 0.3814



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.



24.6463, 0.3617, 0.4850



42.4464, 0.3661, 0.5135



22.3245, 0.3170, 0.5099



6.6499, 0.3212, 0.3512



20.3840, 0.3637, 0.5494



0.2656, 0.3905, 0.5282

Inverse Universe

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



7.1261, 0.2323, 0.1557



8.7662, 0.2110, 0.1200



9.8360, 0.2943, 0.1822



5.7202, 0.3037, 0.3065



2.3923, 0.1762, 0.0744



0.0440, 0.2235, 0.1005

Previews

White Background



This preview shows how the Yxy color 24.6452, 0.3617, 0.4850 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 24.6452, 0.3617, 0.4850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

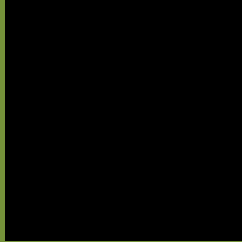
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6452, 0.3617, 0.4850

Background



This preview shows how black text looks on a background with the Yxy color 24.6452, 0.3617, 0.4850.



This preview shows how white text looks on a background with the Yxy color 24.6452, 0.3617, 0.4850.

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

24.6452, 0.3617, 0.4850

Protanopia

24.4635, 0.4130, 0.4540

Deuteranopia

24.3842, 0.4339, 0.4250



Tritanopia

24.6186, 0.2923, 0.3102

Trichromacy



Original Color

24.6452, 0.3617, 0.4850

Protanomaly

24.5307, 0.3939, 0.4659

Deuteranomaly

24.0544, 0.4066, 0.4466

Tritanomaly

24.2791, 0.3204, 0.3742

Monochromacy



Original Color

24.6452, 0.3617, 0.4850

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.2205, 0.3340, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6452, 0.3617, 0.4850 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(117, 146, 58)` looks like.

```
.text, #text, p{  
    color:rgb(117, 146, 58)  
}
```

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(117, 146, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 146, 58) }
```

Border

The CSS property to change the border of an element to Yxy 24.6452, 0.3617, 0.4850 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(117, 146, 58) }
```

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

```
.border{ border-color:rgb(117, 146, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 146, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 146, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 146, 58);  
box-shadow:4px 4px 4px 4px rgb(117, 146,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6452, 0.3617, 0.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 146, 58) }
```

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

```
.background{ background-color: rgb(117,  
146, 58) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor