

Converting Colors

$Y_{xy}(24.5290, 0.3587, 0.4383)$

Have a look what the booklet for
Yxy(24.5290, 0.3587, 0.4383)
contains.

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Color

Yxy(24.5144, 0.3588, 0.4393)

Conversions

Conversions Part 1

Format	Color
Hex	808E50
RGB	128, 142, 80
RGB Percent	50%, 56%, 31%
CMY	0.4981, 0.4431, 0.6863
CMYK	0.10, 0.00, 0.44, 0.44
HSL	74°, 28%, 44%
HSV	74°, 44%, 56%
XYZ	20.0222, 24.5144, 11.2667
YIQ	130.7460, 11.5580, -22.2500

Conversions

Conversions Part 2

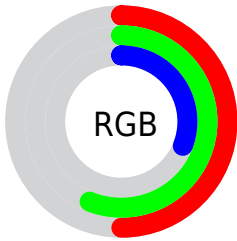
Format	Color
RYB	80, 142, 94
Decimal	8425040
CIELab	56.60, -15.42, 31.28
CIElCh	57, 34.872, 116.248
Yxy	24.5144, 0.3588, 0.4393
Android (android.graphics.Color)	4286615120 (0xFF808E50)
YUV	130.7460, -25.0178, -2.4082
Hunter-Lab	49.5120, -14.4622, 21.1667

Details

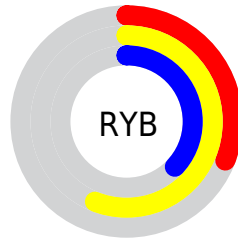
The Yxy color **24.5144, 0.3588, 0.4393** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.0721, 0.2508, 0.2042**, and the grayscale version is **22.6896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0366, 0.3507, 0.4156**, and **9.3419, 0.3698, 0.4823** is the 20% darker color. If you saturate the color by 10%, you get **24.0823, 0.3674, 0.4638**, and if you desaturate by 10%, it is **25.0009, 0.3490, 0.4136**.

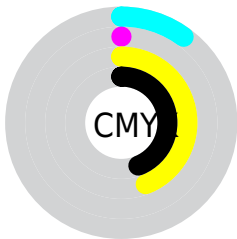
Distribution



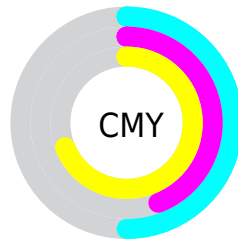
- Red (50%)
- Green (56%)
- Blue (31%)



- Red (31%)
- Yellow (56%)
- Blue (37%)



- Cyan (10%)
- Magenta (0%)
- Yellow (44%)
- Black (44%)




- Cyan (50%)
- Magenta (44%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5144, 0.3588, 0.4393 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 24.5144, 0.3588, 0.4393 by changing the saturation by 10% instead.


 24.5144, 0.3588,
0.4393


 24.5144, 0.3588,
0.4393


275.4109, 0.3352,
0.3770


 15.7156, 0.3643,
0.4573


 50.8683, 0.3503,
0.4148

 9.3232, 0.3707,
0.4818


 69.1923, 0.3471,
0.4062


 4.9526, 0.3772,
0.5164

 91.4601, 0.3443,
0.3991

 2.2195, 0.4014,
0.5986

 118.0562, 0.3420,
0.3932

 0.7306, 0.3032,
0.6968

 149.3649, 0.3399,
0.3882

 0.0000, 0.0000,
0.0000

185.7707, 0.3381,

0.3839

227.6579, 0.3366,
0.3802

■ 24.5144, 0.3588,
0.4393

■ 24.5144, 0.3588,
0.4393

■ 24.0823, 0.3674,
0.4638

■ 25.0009, 0.3490,
0.4136

■ 23.6985, 0.3743,
0.4860

■ 25.5413, 0.3384,
0.3876

■ 23.3608, 0.3790,
0.5049

■ 26.1389, 0.3275,
0.3621

■ 23.0655, 0.3814,
0.5199

■ 26.7962, 0.3166,
0.3376

■ 22.8084, 0.3813,
0.5304

■ 27.5153, 0.3061,
0.3146

■ 22.6567, 0.3807,
0.5359

■ 28.2982, 0.2959,
0.2932

■ 29.1468, 0.2864,
0.2736

■ 30.0630, 0.2775,
0.2557

■ 31.0485, 0.2693,
0.2394

Harmonies

Analogous

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



24.5144, 0.4079, 0.4200



24.5144, 0.3588, 0.4393



24.5144, 0.2999, 0.4224

Triad

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



24.5144, 0.3588, 0.4393



24.5144, 0.2055, 0.2619



24.5144, 0.3776, 0.2896

Complementary

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



24.5144, 0.3588, 0.4393



10.0721, 0.2508, 0.2042

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.



24.5144, 0.3166, 0.2553



24.5144, 0.3588, 0.4393



24.5144, 0.2213, 0.2380

Square

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



24.5144, 0.3588, 0.4393



24.5144, 0.2142, 0.3090



24.5144, 0.2600, 0.2367



24.5144, 0.4218, 0.3335

Rectangle

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



24.5144, 0.3588, 0.4393



24.5144, 0.2632, 0.3905



24.5144, 0.2600, 0.2367



24.5144, 0.3580, 0.2767

Sweetspot

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



24.5155, 0.3588, 0.4393



46.1330, 0.3271, 0.3611



14.2366, 0.4113, 0.3536



10.2553, 0.3292, 0.3661



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.



24.5155, 0.3588, 0.4393



42.5052, 0.3669, 0.4624



22.4999, 0.3242, 0.4527



6.2248, 0.3226, 0.3510



20.3490, 0.3808, 0.5358



0.2043, 0.4003, 0.5204

Inverse Universe

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



10.0721, 0.2508, 0.2042



13.7407, 0.2341, 0.1738



12.0092, 0.2922, 0.2176



5.3101, 0.3023, 0.3065



2.0378, 0.1641, 0.0677



0.0279, 0.2029, 0.0892

Previews

White Background



This preview shows how the Yxy color 24.5144, 0.3588, 0.4393 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 24.5144, 0.3588, 0.4393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

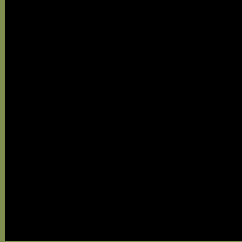
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.5144, 0.3588, 0.4393

Background



This preview shows how black text looks on a background with the Yxy color 24.5144, 0.3588, 0.4393.



This preview shows how white text looks on a background with the Yxy color 24.5144, 0.3588, 0.4393.

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

24.5144, 0.3588, 0.4393

Protanopia

24.5479, 0.3900, 0.4241

Deuteranopia

24.2176, 0.4087, 0.4003



Tritanopia

24.3288, 0.3036, 0.3105

Trichromacy



Original Color

24.5144, 0.3588, 0.4393

Protanomaly

24.4042, 0.3778, 0.4292

Deuteranomaly

24.2387, 0.3899, 0.4143

Tritanomaly

24.2583, 0.3249, 0.3571

Monochromacy



Original Color

24.5144, 0.3588, 0.4393

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.2436, 0.3313, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5144, 0.3588, 0.4393 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(128, 142, 80)` looks like.

```
.text, #text, p{  
    color:rgb(128, 142, 80)  
}
```

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(128, 142, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 142, 80) }
```

Border

The CSS property to change the border of an element to Yxy 24.5144, 0.3588, 0.4393 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(128, 142, 80) }
```

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

```
.border{ border-color:rgb(128, 142, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 142, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 142, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 142, 80);  
box-shadow:4px 4px 4px 4px rgb(128, 142,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5144, 0.3588, 0.4393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 142, 80) }
```

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

```
.background{ background-color: rgb(128,  
142, 80) }
```

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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