

Converting Colors

$Y_{xy}(24.0652, 0.4069, 0.5731)$

Have a look what the booklet for
Yxy(24.0652, 0.4069, 0.5731)
contains.

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Color

Yxy(24.4093, 0.3864, 0.5314)

Conversions

Conversions Part 1

Format	Color
Hex	769200
RGB	118, 146, 0
RGB Percent	46%, 57%, 0%
CMY	0.5373, 0.4274, 1.0000
CMYK	0.19, 0.00, 1.00, 0.43
HSL	72°, 100%, 29%
HSV	72°, 100%, 57%
XYZ	17.7489, 24.4093, 3.7758
YIQ	120.9840, 30.1780, -51.3420

Conversions

Conversions Part 2

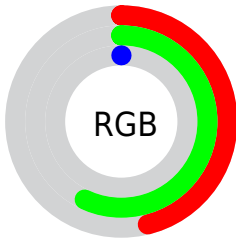
Format	Color
RYB	0, 146, 28
Decimal	7770624
CIELab	56.50, -26.69, 59.77
CIELCh	56, 65.460, 114.062
Yxy	24.4093, 0.3864, 0.5314
Android (android.graphics.Color)	4285960704 (0xFF769200)
YUV	120.9840, -59.6451, -2.6170
Hunter-Lab	49.4058, -22.3345, 30.0529

Details

The Yxy color **24.4093, 0.3864, 0.5314** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.3228, 0.1604, 0.0657**, and the grayscale version is **19.3043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7494, 0.3789, 0.4904**, and **9.3082, 0.3679, 0.5460** is the 20% darker color. If you saturate the color by 10%, you get **24.4103, 0.3864, 0.5314**, and if you desaturate by 10%, it is **24.6428, 0.3869, 0.5233**.

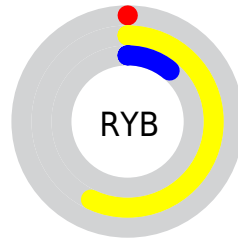
Distribution



Red (46%)

Green (57%)

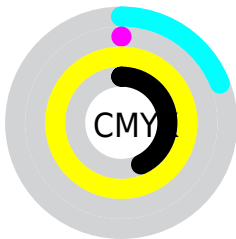
Blue (0%)



Red (0%)

Yellow (57%)

Blue (11%)

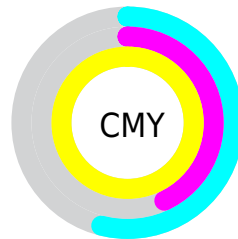


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (54%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4093, 0.3864, 0.5314 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 24.4093, 0.3864, 0.5314 by changing the saturation by 10% instead.


 24.4093, 0.3864,
0.5314


 24.4093, 0.3864,
0.5314


274.8833, 0.3560,
0.4209


 15.6375, 0.3880,
0.5583


 50.6973, 0.3788,
0.4906

 9.2680, 0.3892,
0.5967


 68.9823, 0.3747,
0.4753


 4.9164, 0.3721,
0.6279

 91.2072, 0.3709,
0.4624

 2.1983, 0.3351,
0.6649

 117.7563, 0.3673,
0.4515


 0.7191, 0.0425,
0.9575


 149.0141, 0.3641,
0.4422


 0.0000, 0.0000,
0.0000


 185.3649, 0.3611,


0.4341


 227.1932, 0.3584,
0.4271


 24.4093, 0.3864,
0.5314


 24.4093, 0.3864,
0.5314


 24.4103, 0.3864,
0.5314

 24.6428, 0.3869,
0.5233

 24.9041, 0.3855,
0.5118

 25.2057, 0.3817,
0.4961

 25.5518, 0.3756,
0.4766

 25.9461, 0.3674,
0.4540

■ 26.3920, 0.3577,
0.4294

■ 26.8924, 0.3469,
0.4038

■ 27.4501, 0.3356,
0.3781

■ 28.0675, 0.3241,
0.3530

Harmonies

Analogous

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



24.4093, 0.4751, 0.4687



24.4093, 0.3864, 0.5314



24.4093, 0.2855, 0.5247

Triad

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



24.4093, 0.3864, 0.5314



24.4093, 0.1340, 0.2090



24.4093, 0.4243, 0.2530

Complementary

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



24.4093, 0.3864, 0.5314



2.3228, 0.1604, 0.0657

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.



24.4093, 0.3070, 0.2019



24.4093, 0.3864, 0.5314



24.4093, 0.1556, 0.1748

Square

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



24.4093, 0.3864, 0.5314



24.4093, 0.1458, 0.2900



24.4093, 0.2120, 0.1744



24.4093, 0.5123, 0.3188

Rectangle

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



24.4093, 0.3864, 0.5314



24.4093, 0.2233, 0.4614



24.4093, 0.2120, 0.1744



24.4093, 0.3853, 0.2338

Sweetspot

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



24.4104, 0.3864, 0.5314



47.3803, 0.3476, 0.4054



6.8850, 0.6179, 0.3475



10.4646, 0.3517, 0.4150



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.



24.4104, 0.3864, 0.5314



42.9888, 0.3857, 0.5319



21.1461, 0.3168, 0.5867



6.6890, 0.3232, 0.3511



21.4884, 0.3866, 0.5313



0.2746, 0.4034, 0.5179

Inverse Universe

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



2.3228, 0.1604, 0.0657



4.0400, 0.1591, 0.0650



4.7719, 0.2437, 0.1116



5.6834, 0.3017, 0.3063



2.0516, 0.1608, 0.0659



0.0350, 0.1957, 0.0852

Previews

White Background



This preview shows how the Yxy color 24.4093, 0.3864, 0.5314 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 24.4093, 0.3864, 0.5314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

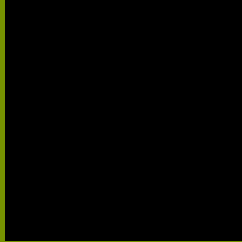
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4093, 0.3864, 0.5314

Background



This preview shows how black text looks on a background with the Yxy color 24.4093, 0.3864, 0.5314.



This preview shows how white text looks on a background with the Yxy color 24.4093, 0.3864, 0.5314.

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

24.4093, 0.3864, 0.5314

Protanopia

24.3806, 0.4400, 0.4889

Deuteranopia

24.1709, 0.4642, 0.4542



Tritanopia

24.4295, 0.2962, 0.3119

Trichromacy



Original Color

24.4093, 0.3864, 0.5314

Protanomaly

24.3316, 0.4193, 0.5053

Deuteranomaly

24.0438, 0.4362, 0.4830

Tritanomaly

23.9821, 0.3449, 0.4144

Monochromacy



Original Color

24.4093, 0.3864, 0.5314

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.4942, 0.3583, 0.4302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4093, 0.3864, 0.5314 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, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 146, 0)  
}
```

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, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 146, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.4093, 0.3864, 0.5314 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, 146, 0) }
```

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

```
.border{ border-color:rgb(118, 146, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 146,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4093, 0.3864, 0.5314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 146, 0) }
```

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

```
.background{ background-color: rgb(118,  
146, 0) }
```

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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