

Converting Colors

$Y_{xy}(24.3946, 0.4020, 0.5599)$

Have a look what the booklet for
Yxy(24.3946, 0.4020, 0.5599)
contains.

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Color

Yxy(24.4797, 0.3876, 0.5305)

Conversions

Conversions Part 1

Format	Color
Hex	779200
RGB	119, 146, 0
RGB Percent	47%, 57%, 0%
CMY	0.5334, 0.4274, 1.0000
CMYK	0.18, 0.00, 1.00, 0.43
HSL	71°, 100%, 29%
HSV	71°, 100%, 57%
XYZ	17.8856, 24.4797, 3.7792
YIQ	121.2830, 30.7740, -51.1300

Conversions

Conversions Part 2

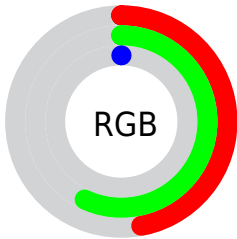
Format	Color
RYB	0, 146, 27
Decimal	7836160
CIELab	56.56, -26.26, 59.87
CIELCh	57, 65.377, 113.680
Yxy	24.4797, 0.3876, 0.5305
Android (android.graphics.Color)	4286026240 (0xFF779200)
YUV	121.2830, -59.7925, -2.0022
Hunter-Lab	49.4770, -22.0580, 30.1051

Details

The Yxy color **24.4797, 0.3876, 0.5305** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.3087, 0.1598, 0.0654**, and the grayscale version is **19.4074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8647, 0.3798, 0.4899**, and **9.3427, 0.3696, 0.5447** is the 20% darker color. If you saturate the color by 10%, you get **24.4810, 0.3876, 0.5305**, and if you desaturate by 10%, it is **24.7082, 0.3879, 0.5224**.

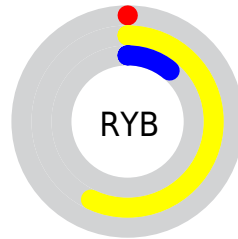
Distribution



Red (47%)

Green (57%)

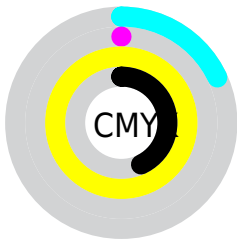
Blue (0%)



Red (0%)

Yellow (57%)

Blue (11%)

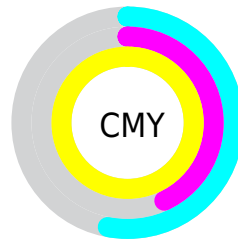


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (53%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4797, 0.3876, 0.5305 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 24.4797, 0.3876, 0.5305 by changing the saturation by 10% instead.


 24.4797, 0.3876,
0.5305


 24.4797, 0.3876,
0.5305


275.2368, 0.3566,
0.4207


 15.6898, 0.3894,
0.5571


 50.8119, 0.3798,
0.4901

 9.3049, 0.3908,
0.5950


 69.1230, 0.3756,
0.4748

 4.9406, 0.3742,
0.6258

 91.3766, 0.3716,
0.4620

 2.2125, 0.3380,
0.6620

 117.9572, 0.3680,
0.4512

 0.7268, 0.0641,
0.9359

 149.2491, 0.3647,
0.4419

 0.0000, 0.0000,
0.0000


 185.6368, 0.3617,


0.4338


 227.5045, 0.3590,
0.4268


 24.4797, 0.3876,
0.5305


 24.4797, 0.3876,
0.5305


 24.4810, 0.3876,
0.5305

 24.7082, 0.3879,
0.5224

 24.9639, 0.3865,
0.5112

 25.2594, 0.3825,
0.4956

 25.5990, 0.3763,
0.4762

 25.9865, 0.3680,
0.4537

■ 26.4251, 0.3582,
0.4293

■ 26.9178, 0.3473,
0.4037

■ 27.4672, 0.3358,
0.3781

■ 28.0760, 0.3242,
0.3530

Harmonies

Analogous

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



24.4797, 0.4758, 0.4676



24.4797, 0.3876, 0.5305



24.4797, 0.2869, 0.5249

Triad

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



24.4797, 0.3876, 0.5305



24.4797, 0.1342, 0.2099



24.4797, 0.4226, 0.2524

Complementary

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



24.4797, 0.3876, 0.5305



2.3087, 0.1598, 0.0654

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.



24.4797, 0.3056, 0.2016



24.4797, 0.3876, 0.5305



24.4797, 0.1554, 0.1753

Square

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



24.4797, 0.3876, 0.5305



24.4797, 0.1465, 0.2915



24.4797, 0.2113, 0.1745



24.4797, 0.5112, 0.3180

Rectangle

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



24.4797, 0.3876, 0.5305



24.4797, 0.2246, 0.4626



24.4797, 0.2113, 0.1745



24.4797, 0.3837, 0.2333

Sweetspot

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



24.4810, 0.3876, 0.5305



47.4265, 0.3480, 0.4053



6.8848, 0.6180, 0.3475



10.4761, 0.3521, 0.4149



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.



24.4810, 0.3876, 0.5305



43.1157, 0.3869, 0.5310



21.1458, 0.3168, 0.5867



6.6910, 0.3233, 0.3511



21.5505, 0.3877, 0.5303



0.2751, 0.4040, 0.5174

Inverse Universe

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



2.3087, 0.1598, 0.0654



4.0168, 0.1585, 0.0647



4.7717, 0.2437, 0.1116



5.6815, 0.3016, 0.3063



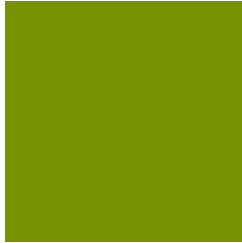
2.0391, 0.1602, 0.0656



0.0345, 0.1942, 0.0843

Previews

White Background



This preview shows how the Yxy color 24.4797, 0.3876, 0.5305 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 24.4797, 0.3876, 0.5305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

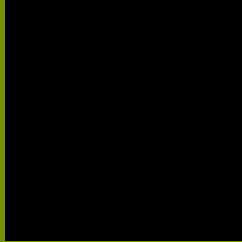
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4797, 0.3876, 0.5305

Background



This preview shows how black text looks on a background with the Yxy color 24.4797, 0.3876, 0.5305.



This preview shows how white text looks on a background with the Yxy color 24.4797, 0.3876, 0.5305.

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

24.4797, 0.3876, 0.5305

Protanopia

24.3806, 0.4400, 0.4889

Deuteranopia

24.1709, 0.4642, 0.4542



Tritanopia

24.5089, 0.2973, 0.3120

Trichromacy



Original Color

24.4797, 0.3876, 0.5305

Protanomaly

24.4189, 0.4205, 0.5043

Deuteranomaly

24.0438, 0.4362, 0.4830

Tritanomaly

24.0585, 0.3460, 0.4141

Monochromacy



Original Color

24.4797, 0.3876, 0.5305

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 24.4797, 0.3876, 0.5305 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(119, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 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(119, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 146, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.4797, 0.3876, 0.5305 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(119, 146, 0) }
```

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

```
.border{ border-color:rgb(119, 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(119, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 146,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4797, 0.3876, 0.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 146, 0) }
```

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

```
.background{ background-color: rgb(119,  
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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