

Converting Colors

$Y_{xy}(23.9124, 0.4024, 0.5508)$

Have a look what the booklet for
Yxy(23.9124, 0.4024, 0.5508)
contains.

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Color

Yxy(23.9396, 0.3908, 0.5279)

Conversions

Conversions Part 1

Format	Color
Hex	789000
RGB	120, 144, 0
RGB Percent	47%, 56%, 0%
CMY	0.5293, 0.4353, 0.9999
CMYK	0.17, 0.00, 1.00, 0.44
HSL	70°, 100%, 28%
HSV	70°, 100%, 56%
XYZ	17.7223, 23.9396, 3.6869
YIQ	120.4080, 31.9200, -49.8720

Conversions

Conversions Part 2

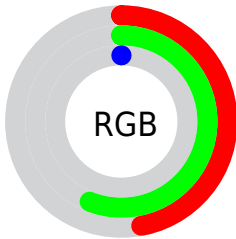
Format	Color
RYB	0, 144, 24
Decimal	7901184
CIELab	56.03, -24.81, 59.48
CIELCh	56, 64.450, 112.645
Yxy	23.9396, 0.3908, 0.5279
Android (android.graphics.Color)	4286091264 (0xFF789000)
YUV	120.4080, -59.3611, -0.3578
Hunter-Lab	48.9281, -20.9696, 29.7820

Details

The Yxy color **23.9396, 0.3908, 0.5279** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.2078, 0.1585, 0.0647**, and the grayscale version is **19.1096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0479, 0.3824, 0.4885**, and **9.1987, 0.3725, 0.5424** is the 20% darker color. If you saturate the color by 10%, you get **23.9405, 0.3908, 0.5279**, and if you desaturate by 10%, it is **24.1471, 0.3908, 0.5201**.

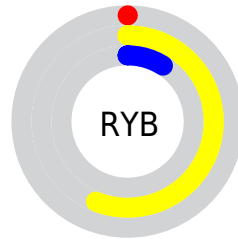
Distribution



Red (47%)

Green (56%)

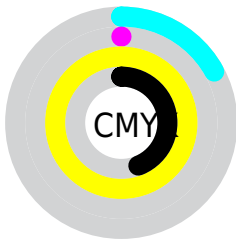
Blue (0%)



Red (0%)

Yellow (56%)

Blue (9%)

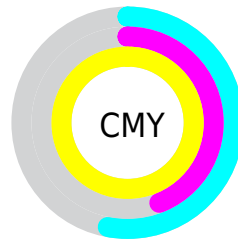


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (53%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9396, 0.3908, 0.5279 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 23.9396, 0.3908, 0.5279 by changing the saturation by 10% instead.


 23.9396, 0.3908,
0.5279


 23.9396, 0.3908,
0.5279


272.5150, 0.3577,
0.4195


 15.2888, 0.3932,
0.5541


 49.9316, 0.3821,
0.4880


 9.0223, 0.3958,
0.5921


 68.0416, 0.3777,
0.4730

 4.7558, 0.3792,
0.6208

 90.0736, 0.3735,
0.4604

 2.1047, 0.3441,
0.6559

 116.4117, 0.3697,
0.4496


 0.6673, 0.0409,
0.9591


 147.4406, 0.3662,
0.4405


 0.0000, 0.0000,
0.0000


 183.5444, 0.3631,


0.4325


 225.1078, 0.3603,
0.4256

 23.9396, 0.3908,
0.5279


 23.9396, 0.3908,
0.5279


 23.9405, 0.3908,
0.5279

 24.1471, 0.3908,
0.5201

 24.3799, 0.3890,
0.5092

 24.6504, 0.3847,
0.4940

 24.9626, 0.3781,
0.4749

 25.3201, 0.3695,
0.4529

■ 25.7261, 0.3594,
0.4287

■ 26.1834, 0.3481,
0.4034

■ 26.6947, 0.3364,
0.3779

■ 27.2623, 0.3244,
0.3529

Harmonies

Analogous

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



23.9396, 0.4777, 0.4645



23.9396, 0.3908, 0.5279



23.9396, 0.2907, 0.5254

Triad

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



23.9396, 0.3908, 0.5279



23.9396, 0.1349, 0.2126



23.9396, 0.4180, 0.2508

Complementary

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



23.9396, 0.3908, 0.5279



2.2078, 0.1585, 0.0647

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.



23.9396, 0.3019, 0.2009



23.9396, 0.3908, 0.5279



23.9396, 0.1549, 0.1767

Square

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



23.9396, 0.3908, 0.5279



23.9396, 0.1484, 0.2956



23.9396, 0.2093, 0.1748



23.9396, 0.5079, 0.3159

Rectangle

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



23.9396, 0.3908, 0.5279



23.9396, 0.2282, 0.4657



23.9396, 0.2093, 0.1748



23.9396, 0.3792, 0.2319

Sweetspot

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



23.9407, 0.3908, 0.5279



46.1310, 0.3489, 0.4050



6.4881, 0.6233, 0.3433



10.5070, 0.3532, 0.4146



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.



23.9407, 0.3908, 0.5279



42.1661, 0.3902, 0.5284



20.6339, 0.3201, 0.5840



6.2406, 0.3235, 0.3509



20.8577, 0.3910, 0.5278



0.2072, 0.4056, 0.5161

Inverse Universe

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



2.2078, 0.1585, 0.0647



3.8426, 0.1572, 0.0640



4.3726, 0.2361, 0.1074



5.2955, 0.3014, 0.3065



1.9297, 0.1588, 0.0649



0.0250, 0.1901, 0.0821

Previews

White Background



This preview shows how the Yxy color 23.9396, 0.3908, 0.5279 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 23.9396, 0.3908, 0.5279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

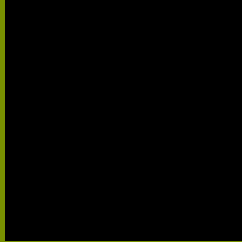
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9396, 0.3908, 0.5279

Background



This preview shows how black text looks on a background with the Yxy color 23.9396, 0.3908, 0.5279.



This preview shows how white text looks on a background with the Yxy color 23.9396, 0.3908, 0.5279.

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

23.9396, 0.3908, 0.5279

Protanopia

23.6295, 0.4402, 0.4887

Deuteranopia

23.6839, 0.4637, 0.4552



Tritanopia

23.9693, 0.3003, 0.3119

Trichromacy



Original Color

23.9396, 0.3908, 0.5279

Protanomaly

23.7524, 0.4218, 0.5033

Deuteranomaly

23.3918, 0.4378, 0.4821

Tritanomaly

23.5389, 0.3490, 0.4124

Monochromacy



Original Color

23.9396, 0.3908, 0.5279

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.2154, 0.3599, 0.4304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9396, 0.3908, 0.5279 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(120, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 144, 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(120, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.9396, 0.3908, 0.5279 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(120, 144, 0) }
```

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

```
.border{ border-color:rgb(120, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 144,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9396, 0.3908, 0.5279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 144, 0) }
```

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

```
.background{ background-color: rgb(120,  
144, 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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