

Converting Colors

$Y_{xy}(12.5000, 0.3748, 0.5401)$

Have a look what the booklet for
Yxy(12.5000, 0.3748, 0.5401)
contains.

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Color

Yxy(12.3874, 0.3748, 0.5406)

Conversions

Conversions Part 1

Format	Color
Hex	4F6C00
RGB	79, 108, 0
RGB Percent	31%, 42%, 0%
CMY	0.6901, 0.5765, 1.0000
CMYK	0.27, 0.00, 1.00, 0.58
HSL	76°, 100%, 21%
HSV	76°, 100%, 42%
XYZ	8.5882, 12.3874, 1.9385
YIQ	87.0170, 17.3840, -39.7360

Conversions

Conversions Part 2

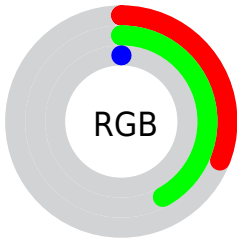
Format	Color
RYB	0, 108, 29
Decimal	5204992
CIELab	41.83, -24.88, 47.48
CIELCh	42, 53.600, 117.658
Yxy	12.3874, 0.3748, 0.5406
Android (android.graphics.Color)	4283395072 (0xFF4F6C00)
YUV	87.0170, -42.8994, -7.0309
Hunter-Lab	35.1957, -18.0362, 21.3714

Details

The Yxy color **12.3874, 0.3748, 0.5406** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.3440, 0.1706, 0.0714**, and the grayscale version is **9.6275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3734, 0.3682, 0.4883**, and **3.4786, 0.3415, 0.5671** is the 20% darker color. If you saturate the color by 10%, you get **12.3878, 0.3748, 0.5406**, and if you desaturate by 10%, it is **12.5387, 0.3754, 0.5292**.

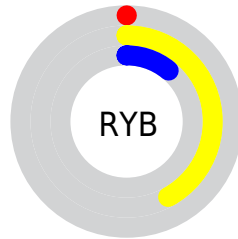
Distribution



Red (31%)

Green (42%)

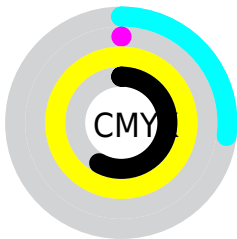
Blue (0%)



Red (0%)

Yellow (42%)

Blue (11%)

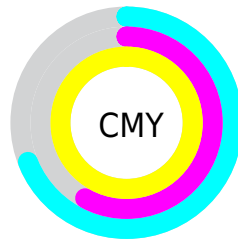


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (69%)


Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3874, 0.3748, 0.5406 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 12.3874, 0.3748, 0.5406 by changing the saturation by 10% instead.


 12.3874, 0.3748,
0.5406


 12.3874, 0.3748,
0.5406


 206.9534, 0.3471,
0.4115


 7.0081, 0.3757,
0.5814


 30.1987, 0.3683,
0.4883


 3.4672, 0.3664,
0.6336

 43.3996, 0.3644,
0.4701


 1.3802, 0.3158,
0.6842

 59.9763, 0.3607,
0.4554

 0.2021, 0.0000,
1.0000


 80.3135, 0.3573,
0.4434

 0.0000, 0.0000,
0.0000


 104.7953, 0.3543,
0.4334


 133.8063, 0.3516,


0.4249


 167.7309, 0.3492,
0.4177

 12.3874, 0.3748,
0.5406


 12.3874, 0.3748,
0.5406

 12.3878, 0.3748,
0.5406

 12.5387, 0.3754,
0.5292

 12.7040, 0.3747,
0.5155

 12.8922, 0.3717,
0.4979

 13.1053, 0.3667,
0.4768

 13.3452, 0.3598,
0.4532

■ 13.6133, 0.3515,
0.4281

■ 13.9112, 0.3423,
0.4024

■ 14.2402, 0.3325,
0.3769

■ 14.6014, 0.3226,
0.3523

Harmonies

Analogous

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



12.3874, 0.4683, 0.4799



12.3874, 0.3748, 0.5406



12.3874, 0.2720, 0.5223

Triad

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



12.3874, 0.3748, 0.5406



12.3874, 0.1316, 0.1997



12.3874, 0.4408, 0.2586

Complementary

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



12.3874, 0.3748, 0.5406



1.3440, 0.1706, 0.0714

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.



12.3874, 0.3205, 0.2044



12.3874, 0.3748, 0.5406



12.3874, 0.1574, 0.1701

Square

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



12.3874, 0.3748, 0.5406



12.3874, 0.1390, 0.2756



12.3874, 0.2193, 0.1734



12.3874, 0.5234, 0.3264

Rectangle

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



12.3874, 0.3748, 0.5406



12.3874, 0.2107, 0.4498



12.3874, 0.2193, 0.1734



12.3874, 0.4016, 0.2385

Sweetspot

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



12.3880, 0.3748, 0.5406



24.3783, 0.3430, 0.4045



4.0575, 0.5957, 0.3652



5.8593, 0.3460, 0.4127



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.3880, 0.3748, 0.5406



21.6900, 0.3736, 0.5416



10.9342, 0.3117, 0.5907



3.5447, 0.3215, 0.3498



14.7625, 0.3744, 0.5409



74.7800, 0.3718, 0.5430

Inverse Universe

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



1.3440, 0.1706, 0.0714



2.3061, 0.1683, 0.0701



2.9129, 0.2652, 0.1235



3.0608, 0.3034, 0.3078



1.5902, 0.1698, 0.0709



7.7281, 0.1651, 0.0683

Previews

White Background



This preview shows how the Yxy color 12.3874, 0.3748, 0.5406 looks on a white 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

Black Background



This preview shows how the Yxy color 12.3874, 0.3748, 0.5406 looks on a black 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

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

Yxy 12.3874, 0.3748, 0.5406

Background



This preview shows how black text looks on a background with the Yxy color 12.3874, 0.3748, 0.5406.



This preview shows how white text looks on a background with the Yxy color 12.3874, 0.3748, 0.5406.

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

12.3874, 0.3748, 0.5406

Protanopia

12.3032, 0.4387, 0.4899

Deuteranopia

12.1643, 0.4596, 0.4526



Tritanopia

12.3209, 0.2870, 0.3106

Trichromacy



Original Color

12.3874, 0.3748, 0.5406

Protanomaly

12.1554, 0.4145, 0.5091

Deuteranomaly

11.9526, 0.4301, 0.4838

Tritanomaly

12.0615, 0.3314, 0.4133

Monochromacy



Original Color

12.3874, 0.3748, 0.5406

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.3451, 0.3523, 0.4320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3874, 0.3748, 0.5406 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(79, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 108, 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(79, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.3874, 0.3748, 0.5406 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(79, 108, 0) }
```

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

```
.border{ border-color:rgb(79, 108, 0) }
```

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

Here you see how a box with a 4 pixel rgb(79, 108, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 108, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3874, 0.3748, 0.5406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 108, 0) }
```

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

```
.background{ background-color: rgb(79, 108,  
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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