

Converting Colors

$Y_{xy}(12.4342, 0.3873, 0.5054)$

Have a look what the booklet for
Yxy(12.4342, 0.3873, 0.5054)
contains.

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Color

Yxy(12.3852, 0.3875, 0.5046)

Conversions

Conversions Part 1

Format	Color
Hex	5B6916
RGB	91, 105, 22
RGB Percent	36%, 41%, 9%
CMY	0.6431, 0.5882, 0.9137
CMYK	0.13, 0.00, 0.79, 0.59
HSL	70°, 65%, 25%
HSV	70°, 79%, 41%
XYZ	9.5110, 12.3852, 2.6484
YIQ	91.3520, 18.2990, -28.7810

Conversions

Conversions Part 2

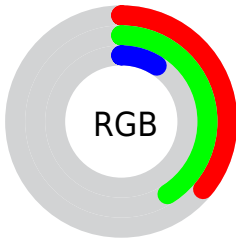
Format	Color
R_{YB}	22, 105, 36
Decimal	5990678
CIE _{Lab}	41.82, -17.10, 41.75
CIE _{LCh}	42, 45.112, 112.277
Yxy	12.3852, 0.3875, 0.5046
Android (android.graphics.Color)	4284180758 (0xFF5B6916)
YUV	91.3520, -34.1905, -0.3087
Hunter-Lab	35.1926, -13.3463, 20.1731

Details

The Yxy color **12.3852, 0.3875, 0.5046** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9690, 0.1867, 0.1031**, and the grayscale version is **10.6231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1741, 0.3756, 0.4614**, and **3.5184, 0.3776, 0.5384** is the 20% darker color. If you saturate the color by 10%, you get **12.2642, 0.3901, 0.5168**, and if you desaturate by 10%, it is **12.5259, 0.3826, 0.4885**.

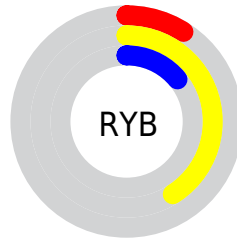
Distribution



 Red (36%)


 Green (41%)

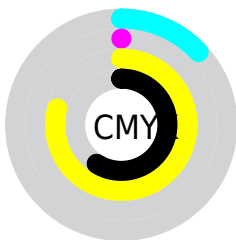
 Blue (9%)




 Red (9%)

 Yellow (41%)

 Blue (14%)

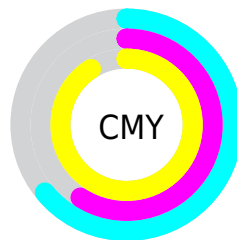


 Cyan (13%)

 Magenta (0%)

 Yellow (79%)

 Black (59%)



 Cyan (64%)

 Magenta (59%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3852, 0.3875, 0.5046 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 12.3852, 0.3875, 0.5046 by changing the saturation by 10% instead.

12.3852, 0.3875,
0.5046

12.3852, 0.3875,
0.5046

206.9390, 0.3486,
0.3980

7.0066, 0.3933,
0.5365

30.1948, 0.3747,
0.4612

3.4662, 0.4053,
0.5947

43.3945, 0.3692,
0.4462

1.3797, 0.3746,
0.6254

59.9700, 0.3644,
0.4341

0.2017, 0.0000,
1.0000

80.3058, 0.3603,
0.4243

0.0000, 0.0000,
0.0000


104.7862, 0.3568,
0.4160

133.7956, 0.3537,


0.4091


 167.7184, 0.3510,
0.4031

 12.3852, 0.3875,
0.5046


 12.3852, 0.3875,
0.5046


 12.2642, 0.3901,
0.5168


 12.5259, 0.3826,
0.4885


 12.1542, 0.3912,
0.5265

 12.6866, 0.3757,
0.4691

 12.1438, 0.3913,
0.5275

 12.8692, 0.3669,
0.4470

 13.0752, 0.3568,
0.4232

 13.3060, 0.3459,
0.3986

■ 13.5626, 0.3345,
0.3740

■ 13.8462, 0.3230,
0.3499

■ 14.1578, 0.3117,
0.3269

■ 14.4984, 0.3008,
0.3052

Harmonies

Analogous

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



12.3852, 0.4634, 0.4537



12.3852, 0.3875, 0.5046



12.3852, 0.2975, 0.4976

Triad

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



12.3852, 0.3875, 0.5046



12.3852, 0.1521, 0.2275



12.3852, 0.4040, 0.2591

Complementary

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



12.3852, 0.3875, 0.5046



1.9690, 0.1867, 0.1031

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.



12.3852, 0.3030, 0.2134



12.3852, 0.3875, 0.5046



12.3852, 0.1701, 0.1926

Square

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



12.3852, 0.3875, 0.5046



12.3852, 0.1662, 0.3031



12.3852, 0.2201, 0.1898



12.3852, 0.4830, 0.3193

Rectangle

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



12.3852, 0.3875, 0.5046



12.3852, 0.2409, 0.4471



12.3852, 0.2201, 0.1898



12.3852, 0.3704, 0.2418

Sweetspot

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



12.3858, 0.3875, 0.5046



24.0195, 0.3409, 0.3879



4.3132, 0.5428, 0.3549



5.5989, 0.3439, 0.3943



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.3858, 0.3875, 0.5046



21.7942, 0.3905, 0.5241



10.8312, 0.3275, 0.5461



3.5590, 0.3229, 0.3498



15.3624, 0.3910, 0.5278



77.9524, 0.3893, 0.5291

Inverse Universe

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



1.9690, 0.1867, 0.1031



2.2362, 0.1635, 0.0711



3.1857, 0.2601, 0.1399



3.0474, 0.3020, 0.3077



1.4379, 0.1599, 0.0655



7.0577, 0.1564, 0.0635

Previews

White Background



This preview shows how the Yxy color 12.3852, 0.3875, 0.5046 looks on a white background.

Color Contrast Check

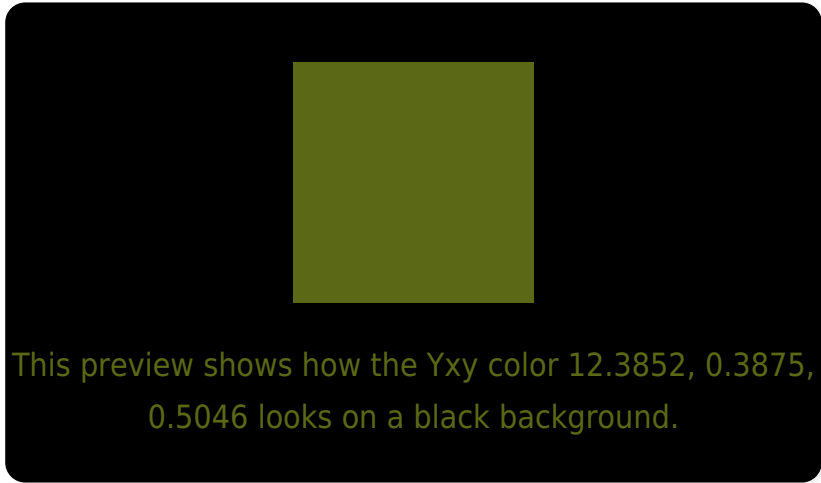
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

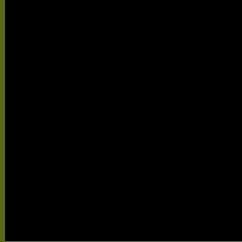
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3852, 0.3875, 0.5046

Background



This preview shows how black text looks on a background with the Yxy color 12.3852, 0.3875, 0.5046.



This preview shows how white text looks on a background with the Yxy color 12.3852, 0.3875, 0.5046.

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

12.3852, 0.3875, 0.5046

Protanopia

12.3537, 0.4293, 0.4759

Deuteranopia

12.3743, 0.4517, 0.4463



Tritanopia

12.4286, 0.3033, 0.3112

Trichromacy



Original Color

12.3852, 0.3875, 0.5046

Protanomaly

12.3046, 0.4144, 0.4857

Deuteranomaly

12.2547, 0.4282, 0.4670

Tritanomaly

12.3022, 0.3410, 0.3904

Monochromacy



Original Color

12.3852, 0.3875, 0.5046

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.9832, 0.3481, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3852, 0.3875, 0.5046 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(91, 105, 22)` looks like.

```
.text, #text, p{  
    color:rgb(91, 105, 22)  
}
```

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(91, 105, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 105, 22) }
```

Border

The CSS property to change the border of an element to Yxy 12.3852, 0.3875, 0.5046 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(91, 105, 22) }
```

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

```
.border{ border-color:rgb(91, 105, 22) }
```

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

Here you see how a box with a 4 pixel rgb(91, 105, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 105, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 105, 22);  
box-shadow:4px 4px 4px 4px rgb(91, 105,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3852, 0.3875, 0.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 105, 22) }
```

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

```
.background{ background-color: rgb(91, 105,  
22) }
```

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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