

Converting Colors

$Y_{xy}(12.6934, 0.3775, 0.5385)$

Have a look what the booklet for
Yxy(12.6934, 0.3775, 0.5385)
contains.

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Color

Yxy(12.7311, 0.3781, 0.5380)

Conversions

Conversions Part 1

Format	Color
Hex	526D00
RGB	82, 109, 0
RGB Percent	32%, 43%, 0%
CMY	0.6785, 0.5725, 1.0000
CMYK	0.25, 0.00, 1.00, 0.57
HSL	75°, 100%, 21%
HSV	75°, 100%, 43%
XYZ	8.9473, 12.7311, 1.9854
YIQ	88.5010, 18.8970, -39.6230

Conversions

Conversions Part 2

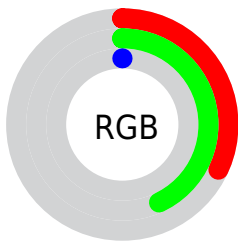
Format	Color
RYB	0, 109, 27
Decimal	5401856
CIELab	42.36, -24.08, 47.97
CIELCh	42, 53.676, 116.656
Yxy	12.7311, 0.3781, 0.5380
Android (android.graphics.Color)	4283591936 (0xFF526D00)
YUV	88.5010, -43.6310, -5.7014
Hunter-Lab	35.6807, -17.6806, 21.6774

Details

The Yxy color **12.7311, 0.3781, 0.5380** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.3376, 0.1681, 0.0700**, and the grayscale version is **9.9687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9669, 0.3707, 0.4874**, and **3.6288, 0.3466, 0.5630** is the 20% darker color. If you saturate the color by 10%, you get **12.7317, 0.3781, 0.5380**, and if you desaturate by 10%, it is **12.8791, 0.3784, 0.5270**.

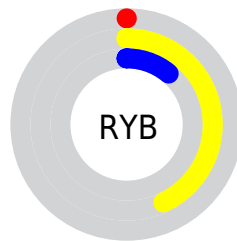
Distribution



Red (32%)

Green (43%)

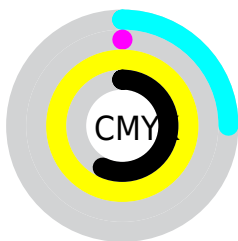
Blue (0%)



Red (0%)

Yellow (43%)

Blue (11%)

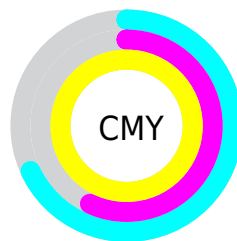


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (68%)


Magenta (57%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7311, 0.3781, 0.5380 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 12.7311, 0.3781, 0.5380 by changing the saturation by 10% instead.


 12.7311, 0.3781,
0.5380


 12.7311, 0.3781,
0.5380

 209.1871, 0.3485,
0.4114


 7.2436, 0.3795,
0.5770


 30.8198, 0.3708,
0.4870


 3.6149, 0.3721,
0.6279

 44.1899, 0.3666,
0.4692

 1.4606, 0.3278,
0.6722

 60.9563, 0.3627,
0.4547

 0.2607, 0.0000,
1.0000


 81.5034, 0.3591,
0.4429


 0.0000, 0.0000,
0.0000


 106.2157, 0.3560,
0.4330


 135.4774, 0.3532,


0.4247


 169.6731, 0.3507,
0.4175


 12.7311, 0.3781,
0.5380


 12.7311, 0.3781,
0.5380


 12.7317, 0.3781,
0.5380

 12.8791, 0.3784,
0.5270

 13.0407, 0.3774,
0.5138

 13.2249, 0.3741,
0.4965

 13.4338, 0.3687,
0.4758

 13.6691, 0.3615,
0.4526

■ 13.9326, 0.3529,
0.4277

■ 14.2255, 0.3433,
0.4023

■ 14.5493, 0.3332,
0.3769

■ 14.9052, 0.3229,
0.3523

Harmonies

Analogous

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



12.7311, 0.4703, 0.4767



12.7311, 0.3781, 0.5380



12.7311, 0.2759, 0.5231

Triad

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



12.7311, 0.3781, 0.5380



12.7311, 0.1322, 0.2023



12.7311, 0.4361, 0.2571

Complementary

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



12.7311, 0.3781, 0.5380



1.3376, 0.1681, 0.0700

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.



12.7311, 0.3167, 0.2037



12.7311, 0.3781, 0.5380



12.7311, 0.1569, 0.1714

Square

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



12.7311, 0.3781, 0.5380



12.7311, 0.1409, 0.2796



12.7311, 0.2172, 0.1737



12.7311, 0.5203, 0.3243

Rectangle

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



12.7311, 0.3781, 0.5380



12.7311, 0.2142, 0.4531



12.7311, 0.2172, 0.1737



12.7311, 0.3970, 0.2372

Sweetspot

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



12.7317, 0.3781, 0.5380



25.4243, 0.3441, 0.4044



3.9656, 0.6034, 0.3591



5.8772, 0.3472, 0.4124



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.



12.7317, 0.3781, 0.5380



22.7357, 0.3770, 0.5389



11.2008, 0.3142, 0.5887



3.5476, 0.3218, 0.3498



14.8782, 0.3778, 0.5383



75.3886, 0.3754, 0.5402

Inverse Universe

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



1.3376, 0.1681, 0.0700



2.3415, 0.1659, 0.0688



2.8070, 0.2573, 0.1191



3.0581, 0.3031, 0.3078



1.5538, 0.1675, 0.0696



7.5624, 0.1630, 0.0671

Previews

White Background



This preview shows how the Yxy color 12.7311, 0.3781, 0.5380 looks on a white background.

Color Contrast Check

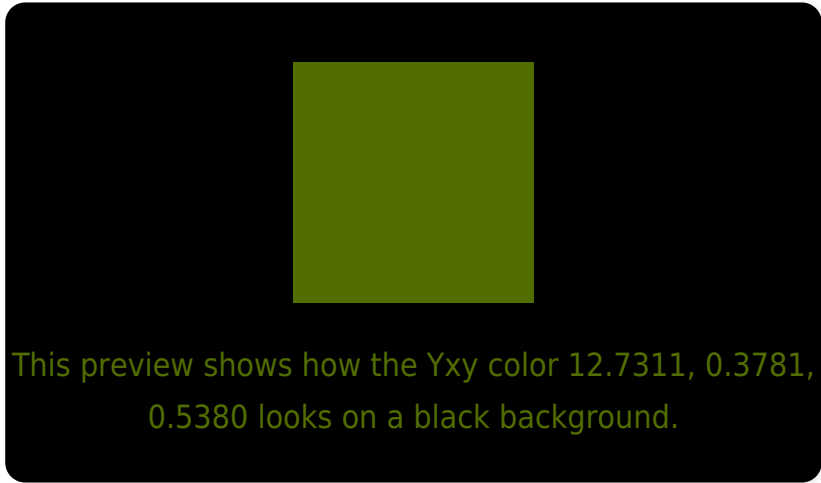
Large Text (above 18pt) WCAG AA ✓ Pass

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

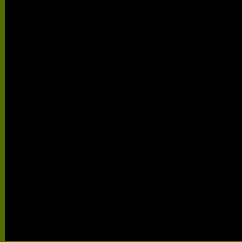
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7311, 0.3781, 0.5380

Background



This preview shows how black text looks on a background with the Yxy color 12.7311, 0.3781, 0.5380.



This preview shows how white text looks on a background with the Yxy color 12.7311, 0.3781, 0.5380.

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

12.7311, 0.3781, 0.5380

Protanopia

12.6251, 0.4401, 0.4888

Deuteranopia

12.6705, 0.4592, 0.4537



Tritanopia

12.6868, 0.2898, 0.3109

Trichromacy



Original Color

12.7311, 0.3781, 0.5380

Protanomaly

12.5253, 0.4177, 0.5065

Deuteranomaly

12.4584, 0.4300, 0.4844

Tritanomaly

12.4050, 0.3355, 0.4142

Monochromacy



Original Color

12.7311, 0.3781, 0.5380

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.6297, 0.3537, 0.4304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7311, 0.3781, 0.5380 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(82, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(82, 109, 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(82, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.7311, 0.3781, 0.5380 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(82, 109, 0) }
```

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

```
.border{ border-color:rgb(82, 109, 0) }
```

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

Here you see how a box with a 4 pixel rgb(82, 109, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(82, 109, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7311, 0.3781, 0.5380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 109, 0) }
```

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

```
.background{ background-color: rgb(82, 109,  
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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