

Converting Colors

$Y_{xy}(12.9101, 0.3787, 0.5375)$

Have a look what the booklet for
Yxy(12.9101, 0.3787, 0.5375)
contains.

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Color

Yxy(12.9909, 0.3784, 0.5377)

Conversions

Conversions Part 1

Format	Color
Hex	536E00
RGB	83, 110, 0
RGB Percent	33%, 43%, 0%
CMY	0.6746, 0.5686, 0.9998
CMYK	0.25, 0.00, 1.00, 0.57
HSL	75°, 100%, 22%
HSV	75°, 100%, 43%
XYZ	9.1422, 12.9909, 2.0270
YIQ	89.3870, 19.2180, -39.9340

Conversions

Conversions Part 2

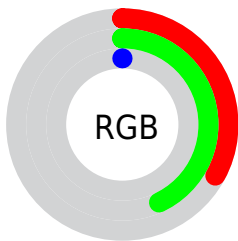
Format	Color
RYB	0, 110, 27
Decimal	5467648
CIELab	42.75, -24.14, 48.29
CIELCh	43, 53.984, 116.562
Yxy	12.9909, 0.3784, 0.5377
Android (android.graphics.Color)	4283657728 (0xFF536E00)
YUV	89.3870, -44.0678, -5.6014
Hunter-Lab	36.0429, -17.7990, 21.8956

Details

The Yxy color **12.9909, 0.3784, 0.5377** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.3612, 0.1679, 0.0699**, and the grayscale version is **10.1780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4011, 0.3711, 0.4878**, and **3.7523, 0.3474, 0.5623** is the 20% darker color. If you saturate the color by 10%, you get **12.9908, 0.3784, 0.5378**, and if you desaturate by 10%, it is **13.1410, 0.3787, 0.5268**.

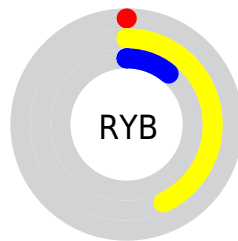
Distribution



Red (33%)

Green (43%)

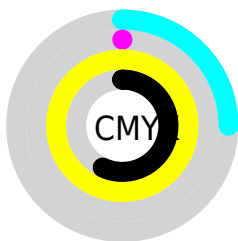
Blue (0%)



Red (0%)

Yellow (43%)

Blue (11%)

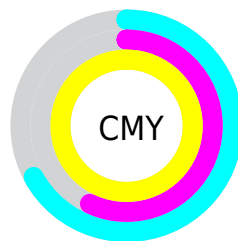


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (67%)


Magenta (57%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9909, 0.3784, 0.5377 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 12.9909, 0.3784, 0.5377 by changing the saturation by 10% instead.


 12.9909, 0.3784,
0.5377


 12.9909, 0.3784,
0.5377


 210.8593, 0.3487,
0.4116

 7.4223, 0.3796,
0.5760


 31.2874, 0.3710,
0.4871


 3.7276, 0.3731,
0.6269

 44.7841, 0.3668,
0.4693

 1.5224, 0.3307,
0.6693

 61.6923, 0.3629,
0.4549

 0.3044, 0.0000,
1.0000


 82.3964, 0.3594,
0.4431


 0.0000, 0.0000,
0.0000


 107.2807, 0.3562,
0.4333

 136.7297, 0.3534,


0.4249


 171.1278, 0.3509,
0.4178


 12.9909, 0.3784,
0.5377


 12.9909, 0.3784,
0.5377

 12.9908, 0.3784,
0.5378

 13.1410, 0.3787,
0.5268

 13.3051, 0.3777,
0.5137

 13.4922, 0.3744,
0.4964

 13.7045, 0.3689,
0.4758

 13.9437, 0.3617,
0.4525

■ 14.2114, 0.3530,
0.4277

■ 14.5093, 0.3434,
0.4022

■ 14.8386, 0.3332,
0.3768

■ 15.2007, 0.3229,
0.3523

Harmonies

Analogous

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



12.9909, 0.4704, 0.4764



12.9909, 0.3784, 0.5377



12.9909, 0.2762, 0.5231

Triad

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



12.9909, 0.3784, 0.5377



12.9909, 0.1323, 0.2026



12.9909, 0.4356, 0.2569

Complementary

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



12.9909, 0.3784, 0.5377



1.3612, 0.1679, 0.0699

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.



12.9909, 0.3163, 0.2036



12.9909, 0.3784, 0.5377



12.9909, 0.1569, 0.1715

Square

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



12.9909, 0.3784, 0.5377



12.9909, 0.1411, 0.2800



12.9909, 0.2170, 0.1738



12.9909, 0.5200, 0.3241

Rectangle

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



12.9909, 0.3784, 0.5377



12.9909, 0.2146, 0.4534



12.9909, 0.2170, 0.1738



12.9909, 0.3965, 0.2371

Sweetspot

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



12.9915, 0.3784, 0.5377



25.4316, 0.3442, 0.4044



4.0415, 0.6034, 0.3589



5.8790, 0.3473, 0.4123



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.



12.9915, 0.3784, 0.5377



22.7543, 0.3773, 0.5386



11.4201, 0.3142, 0.5887



3.8770, 0.3219, 0.3500



15.5902, 0.3780, 0.5381



77.2442, 0.3757, 0.5399

Inverse Universe

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



1.3612, 0.1679, 0.0699



2.3362, 0.1657, 0.0686



2.8626, 0.2573, 0.1192



3.3364, 0.3030, 0.3075



1.6204, 0.1671, 0.0694



7.7227, 0.1627, 0.0670

Previews

White Background



This preview shows how the Yxy color 12.9909, 0.3784, 0.5377 looks on a white background.

Color Contrast Check

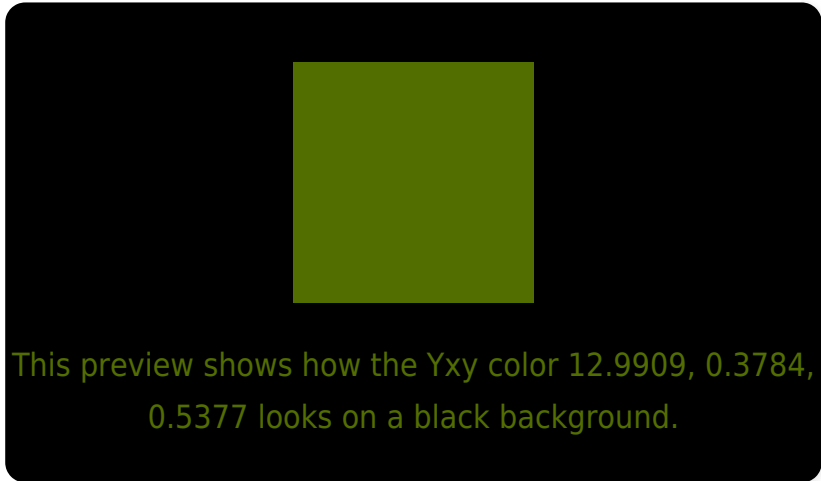
Large Text (above 18pt) WCAG AA ✓ Pass

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

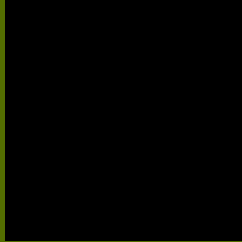
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9909, 0.3784, 0.5377

Background



This preview shows how black text looks on a background with the Yxy color 12.9909, 0.3784, 0.5377.



This preview shows how white text looks on a background with the Yxy color 12.9909, 0.3784, 0.5377.

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

12.9909, 0.3784, 0.5377

Protanopia

12.8848, 0.4399, 0.4889

Deuteranopia

12.9283, 0.4590, 0.4543



Tritanopia

12.9557, 0.2900, 0.3110

Trichromacy



Original Color

12.9909, 0.3784, 0.5377

Protanomaly

12.7842, 0.4177, 0.5065

Deuteranomaly

12.7159, 0.4300, 0.4846

Tritanomaly

12.6692, 0.3354, 0.4134

Monochromacy



Original Color

12.9909, 0.3784, 0.5377

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.8710, 0.3533, 0.4295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9909, 0.3784, 0.5377 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(83, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 110, 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(83, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.9909, 0.3784, 0.5377 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(83, 110, 0) }
```

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

```
.border{ border-color:rgb(83, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 110, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.9909, 0.3784, 0.5377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 110, 0) }
```

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

```
.background{ background-color: rgb(83, 110,  
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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