

Converting Colors

$Y_{xy}(10.4571, 0.3875, 0.4732)$

Have a look what the booklet for
Yxy(10.4571, 0.3875, 0.4732)
contains.

Yxy(10.4736, 0.3881, 0.4728)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.4736, 0.3881, 0.4728)

Conversions

Conversions Part 1

Format	Color
Hex	5A5F22
RGB	90, 95, 34
RGB Percent	35%, 37%, 13%
CMY	0.6471, 0.6274, 0.8667
CMYK	0.05, 0.00, 0.64, 0.63
HSL	65°, 47%, 25%
HSV	65°, 64%, 37%
XYZ	8.5973, 10.4736, 3.0814
YIQ	86.5510, 16.6010, -20.0310

Conversions

Conversions Part 2

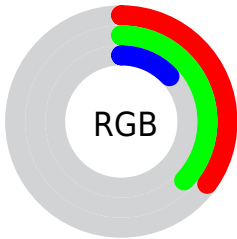
Format	Color
R_{YB}	34, 95, 39
Decimal	5922594
CIE _{Lab}	38.68, -11.24, 33.33
CIE _{LCh}	39, 35.172, 108.639
Yxy	10.4736, 0.3881, 0.4728
Android (android.graphics.Color)	4284112674 (0xFF5A5F22)
YUV	86.5510, -25.9076, 3.0248
Hunter-Lab	32.3629, -9.2161, 17.0089

Details

The Yxy color **10.4736, 0.3881, 0.4728** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2.4014, 0.2046, 0.1414**, and the grayscale version is **9.4835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5957, 0.3727, 0.4354**, and **2.7102, 0.4015, 0.5194** is the 20% darker color. If you saturate the color by 10%, you get **10.3878, 0.3956, 0.4890**, and if you desaturate by 10%, it is **10.5760, 0.3787, 0.4536**.

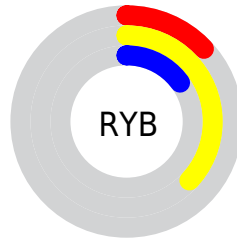
Distribution



 Red (35%)

 Green (37%)

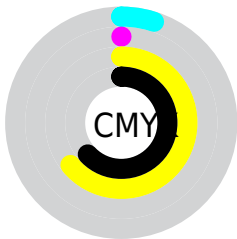
 Blue (13%)



 Red (13%)

 Yellow (37%)

 Blue (15%)

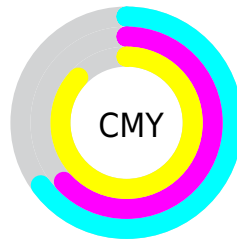


 Cyan (5%)

 Magenta (0%)

 Yellow (64%)

 Black (63%)



 Cyan (65%)


 Magenta (63%)


 Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4736, 0.3881, 0.4728 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 10.4736, 0.3881, 0.4728 by changing the saturation by 10% instead.


 10.4736, 0.3881,
0.4728

 10.4736, 0.3881,
0.4728


194.0196, 0.3451,
0.3834


 5.7141, 0.3983,
0.5019

 26.6826, 0.3718,
0.4352


 2.6720, 0.4291,
0.5709

 38.9008, 0.3658,
0.4227

 0.9630, 0.3988,
0.6012

 54.3741, 0.3608,
0.4127

 0.0000, 0.0000,
0.0000

 73.4868, 0.3566,
0.4046

 96.6233, 0.3530,
0.3979

 124.1680, 0.3500,

0.3923

156.5053, 0.3474,
0.3875

10.4736, 0.3881,
0.4728

10.4736, 0.3881,
0.4728

10.3878, 0.3956,
0.4890

10.5760, 0.3787,
0.4536

10.3158, 0.4008,
0.5015

10.6946, 0.3678,
0.4321

10.2553, 0.4041,
0.5107

10.8310, 0.3559,
0.4091

10.2214, 0.4059,
0.5159

10.9860, 0.3433,
0.3854

11.1607, 0.3306,
0.3616

■ 11.3558, 0.3179,
0.3385

■ 11.5720, 0.3057,
0.3163

■ 11.8102, 0.2941,
0.2954

■ 12.0710, 0.2831,
0.2760

Harmonies

Analogous

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



10.4736, 0.4479, 0.4320



10.4736, 0.3881, 0.4728



10.4736, 0.3123, 0.4692

Triad

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



10.4736, 0.3881, 0.4728



10.4736, 0.1749, 0.2513



10.4736, 0.3789, 0.2646

Complementary

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



10.4736, 0.3881, 0.4728



2.4014, 0.2046, 0.1414

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.



10.4736, 0.2960, 0.2265



10.4736, 0.3881, 0.4728



10.4736, 0.1872, 0.2154

Square

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



10.4736, 0.3881, 0.4728



10.4736, 0.1923, 0.3197



10.4736, 0.2281, 0.2086



10.4736, 0.4477, 0.3167

Rectangle

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



10.4736, 0.3881, 0.4728



10.4736, 0.2627, 0.4330



10.4736, 0.2281, 0.2086



10.4736, 0.3511, 0.2500

Sweetspot

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



10.4741, 0.3881, 0.4728



18.9495, 0.3374, 0.3743



3.9388, 0.4910, 0.3391



4.5272, 0.3398, 0.3788



50.7079, 0.3127, 0.3290



4.6964, 0.3127, 0.3290

Same Dimension

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



10.4741, 0.3881, 0.4728



17.7246, 0.3985, 0.4958



9.2746, 0.3386, 0.5008



2.9595, 0.3238, 0.3492



14.5159, 0.4057, 0.5161



77.3656, 0.4048, 0.5168

Inverse Universe

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



2.4014, 0.2046, 0.1414



2.6258, 0.1793, 0.1006



3.2195, 0.2600, 0.1654



2.5247, 0.3011, 0.3081



1.2337, 0.1545, 0.0625



6.4186, 0.1521, 0.0611

Previews

White Background



This preview shows how the Yxy color 10.4736, 0.3881, 0.4728 looks on a white background.

Color Contrast Check

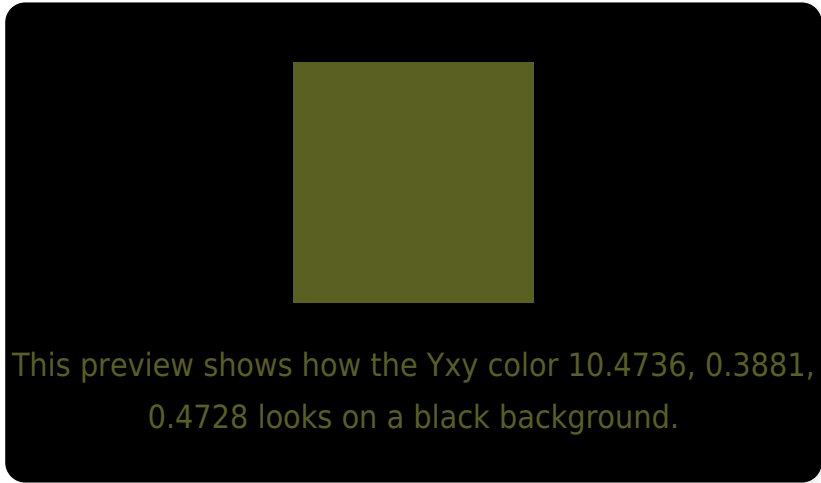
Large Text (above 18pt) WCAG AA ✓ Pass

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

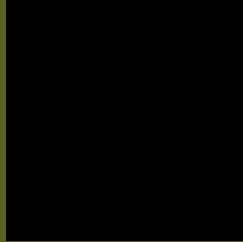
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4736, 0.3881, 0.4728

Background



This preview shows how black text looks on a background with the Yxy color 10.4736, 0.3881, 0.4728.



This preview shows how white text looks on a background with the Yxy color 10.4736, 0.3881, 0.4728.

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

10.4736, 0.3881, 0.4728

Protanopia

10.4168, 0.4153, 0.4557

Deuteranopia

10.4607, 0.4356, 0.4318



Tritanopia

10.4761, 0.3135, 0.3125

Trichromacy



Original Color

10.4736, 0.3881, 0.4728

Protanomaly

10.3608, 0.4070, 0.4614

Deuteranomaly

10.4430, 0.4186, 0.4461

Tritanomaly

10.3429, 0.3451, 0.3734

Monochromacy



Original Color

10.4736, 0.3881, 0.4728

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.8044, 0.3431, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4736, 0.3881, 0.4728 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 $rgb(90, 95, 34)$ looks like.

```
.text, #text, p{  
    color:rgb(90, 95, 34)  
}
```

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(90, 95, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 95, 34) }
```

Border

The CSS property to change the border of an element to Yxy 10.4736, 0.3881, 0.4728 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(90, 95, 34) }
```

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

```
.border{ border-color:rgb(90, 95, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 95, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 95, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 95, 34);  
box-shadow:4px 4px 4px 4px rgb(90, 95, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.4736, 0.3881, 0.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 95, 34) }
```

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

```
.background{ background-color: rgb(90, 95,  
34) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor