

Converting Colors

$Y_{xy}(15.3832, 0.3762, 0.4727)$

Have a look what the booklet for
Yxy(15.3832, 0.3762, 0.4727)
contains.

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Color

Yxy(15.3423, 0.3764, 0.4726)

Conversions

Conversions Part 1

Format	Color
Hex	67732E
RGB	103, 115, 46
RGB Percent	40%, 45%, 18%
CMY	0.5960, 0.5490, 0.8196
CMYK	0.10, 0.00, 0.60, 0.55
HSL	70°, 43%, 32%
HSV	70°, 60%, 45%
XYZ	12.2193, 15.3423, 4.9020
YIQ	103.5460, 14.9970, -24.0030

Conversions

Conversions Part 2

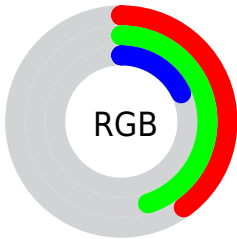
Format	Color
R _Y B	46, 115, 58
Decimal	6779694
CIE Lab	46.10, -15.32, 35.92
CIE LCh	46, 39.049, 113.097
Yxy	15.3423, 0.3764, 0.4726
Android (android.graphics.Color)	4284969774 (0xFF67732E)
YUV	103.5460, -28.3702, -0.4788
Hunter-Lab	39.1692, -12.8610, 19.9984

Details

The Yxy color **15.3423, 0.3764, 0.4726** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.0906, 0.2185, 0.1537**, and the grayscale version is **13.7912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5316, 0.3642, 0.4373**, and **4.7986, 0.3891, 0.5292** is the 20% darker color. If you saturate the color by 10%, you get **15.1475, 0.3830, 0.4918**, and if you desaturate by 10%, it is **15.5656, 0.3679, 0.4506**.

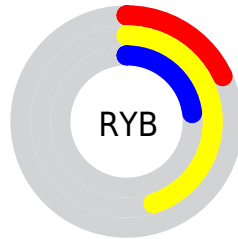
Distribution



Red (40%)

Green (45%)

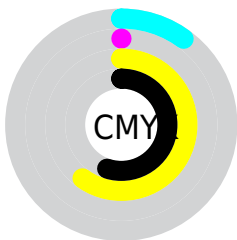
Blue (18%)



Red (18%)

Yellow (45%)

Blue (23%)

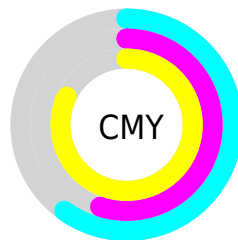


Cyan (10%)

Magenta (0%)

Yellow (60%)

Black (55%)



Cyan (60%)


Magenta (55%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3423, 0.3764, 0.4726 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 15.3423, 0.3764, 0.4726 by changing the saturation by 10% instead.


 15.3423, 0.3764,
0.4726


 15.3423, 0.3764,
0.4726


 225.4288, 0.3425,
0.3868


 9.0600, 0.3836,
0.4989


 35.4526, 0.3643,
0.4377


 4.7803, 0.3917,
0.5370

 50.0493, 0.3596,
0.4257


 2.1190, 0.4006,
0.5994

 68.1863, 0.3555,
0.4160

 0.6753, 0.2840,
0.7160

 90.2479, 0.3521,
0.4081

 0.0000, 0.0000,
0.0000

 116.6186, 0.3492,
0.4014

 147.6827, 0.3467,

0.3958

183.8246, 0.3444,
0.3910

■ 15.3423, 0.3764,
0.4726

■ 15.3423, 0.3764,
0.4726

■ 15.1475, 0.3830,
0.4918

■ 15.5656, 0.3679,
0.4506

■ 14.9771, 0.3875,
0.5075

■ 15.8172, 0.3580,
0.4267

■ 14.8295, 0.3895,
0.5192

■ 16.0993, 0.3471,
0.4018

■ 14.6958, 0.3902,
0.5284

■ 16.4134, 0.3356,
0.3768

■ 14.6958, 0.3902,
0.5284

■ 16.7610, 0.3241,
0.3524

■ 17.1433, 0.3127,
0.3290

■ 17.5616, 0.3017,
0.3069

■ 18.0170, 0.2913,
0.2865

■ 18.5106, 0.2816,
0.2676

Harmonies

Analogous

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



15.3423, 0.4384, 0.4378



15.3423, 0.3764, 0.4726



15.3423, 0.3014, 0.4600

Triad

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



15.3423, 0.3764, 0.4726



15.3423, 0.1775, 0.2458



15.3423, 0.3892, 0.2729

Complementary

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



15.3423, 0.3764, 0.4726



4.0906, 0.2185, 0.1537

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.



15.3423, 0.3081, 0.2328



15.3423, 0.3764, 0.4726



15.3423, 0.1937, 0.2149

Square

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



15.3423, 0.3764, 0.4726



15.3423, 0.1902, 0.3083



15.3423, 0.2381, 0.2120



15.3423, 0.4514, 0.3255

Rectangle

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



15.3423, 0.3764, 0.4726



15.3423, 0.2540, 0.4196



15.3423, 0.2381, 0.2120



15.3423, 0.3625, 0.2577

Sweetspot

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



15.3430, 0.3764, 0.4726



29.4840, 0.3339, 0.3731



6.8179, 0.4691, 0.3534



7.0000, 0.3366, 0.3790



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.3430, 0.3764, 0.4726



27.0020, 0.3850, 0.4984



13.7233, 0.3294, 0.4980



4.2357, 0.3230, 0.3501



16.7932, 0.3900, 0.5285



81.5065, 0.3884, 0.5298

Inverse Universe

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



4.0906, 0.2185, 0.1537



4.8712, 0.1942, 0.1140



5.4671, 0.2757, 0.1776



3.6176, 0.3019, 0.3073



1.5772, 0.1600, 0.0655



7.4175, 0.1567, 0.0637

Previews

White Background



This preview shows how the Yxy color 15.3423, 0.3764, 0.4726 looks on a white background.

Color Contrast Check

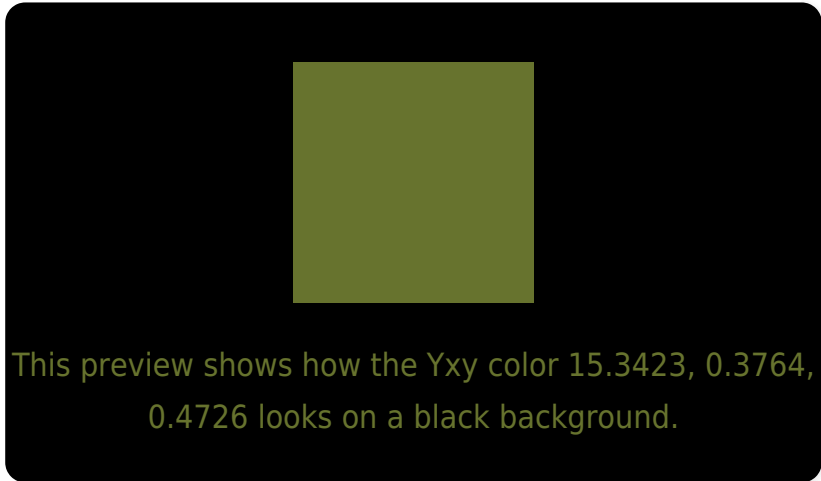
Large Text (above 18pt) WCAG AA ✓ Pass

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

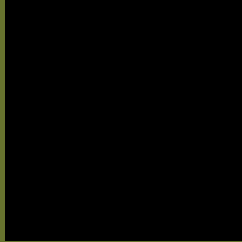
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3423, 0.3764, 0.4726

Background



This preview shows how black text looks on a background with the Yxy color 15.3423, 0.3764, 0.4726.



This preview shows how white text looks on a background with the Yxy color 15.3423, 0.3764, 0.4726.

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

15.3423, 0.3764, 0.4726

Protanopia

15.1841, 0.4112, 0.4522

Deuteranopia

15.2733, 0.4328, 0.4265



Tritanopia

15.3656, 0.3067, 0.3127

Trichromacy



Original Color

15.3423, 0.3764, 0.4726

Protanomaly

15.1357, 0.3975, 0.4594

Deuteranomaly

15.1495, 0.4113, 0.4431

Tritanomaly

15.3124, 0.3339, 0.3717

Monochromacy



Original Color

15.3423, 0.3764, 0.4726

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.2927, 0.3396, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3423, 0.3764, 0.4726 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(103, 115, 46)` looks like.

```
.text, #text, p{  
    color:rgb(103, 115, 46)  
}
```

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(103, 115, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 115, 46) }
```

Border

The CSS property to change the border of an element to Yxy 15.3423, 0.3764, 0.4726 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(103, 115, 46) }
```

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

```
.border{ border-color:rgb(103, 115, 46) }
```

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

Here you see how a box with a 4 pixel rgb(103, 115, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 115, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 115, 46);  
box-shadow:4px 4px 4px 4px rgb(103, 115,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3423, 0.3764, 0.4726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 115, 46) }
```

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

```
.background{ background-color: rgb(103,  
115, 46) }
```

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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