

Converting Colors

$Y_{xy}(10.3326, 0.4188, 0.4746)$

Have a look what the booklet for
Yxy(10.3326, 0.4188, 0.4746)
contains.

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Color

Yxy(10.3688, 0.4182, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	635C17
RGB	99, 92, 23
RGB Percent	39%, 36%, 9%
CMY	0.6117, 0.6392, 0.9098
CMYK	0.00, 0.07, 0.77, 0.61
HSL	54°, 62%, 24%
HSV	54°, 77%, 39%
XYZ	9.1289, 10.3688, 2.3313
YIQ	86.2270, 26.3210, -19.9750

Conversions

Conversions Part 2

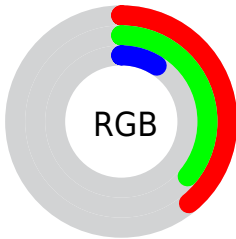
Format	Color
RYB	31, 99, 23
Decimal	6511639
CIELab	38.50, -5.92, 38.42
CIELCh	38, 38.876, 98.757
Yxy	10.3688, 0.4182, 0.4750
Android (android.graphics.Color)	4284701719 (0xFF635C17)
YUV	86.2270, -31.1709, 11.2019
Hunter-Lab	32.2006, -5.7461, 18.2478

Details

The Yxy color **10.3688, 0.4182, 0.4750** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2.0137, 0.1794, 0.1176**, and the grayscale version is **9.4212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4893, 0.3947, 0.4395**, and **2.6860, 0.4254, 0.5004** is the 20% darker color. If you saturate the color by 10%, you get **10.1792, 0.4266, 0.4842**, and if you desaturate by 10%, it is **10.5761, 0.4076, 0.4621**.

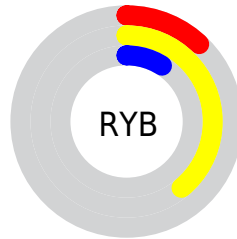
Distribution



Red (39%)

Green (36%)

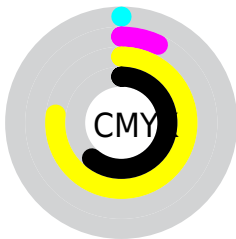
Blue (9%)



Red (12%)

Yellow (39%)

Blue (9%)

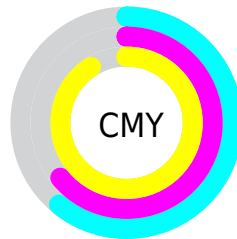


Cyan (0%)

Magenta (7%)

Yellow (77%)

Black (61%)



Cyan (61%)


Magenta (64%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3688, 0.4182, 0.4750 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 10.3688, 0.4182, 0.4750 by changing the saturation by 10% instead.


 10.3688, 0.4182,
0.4750


 10.3688, 0.4182,
0.4750


193.2844, 0.3577,
0.3872


 5.6442, 0.4331,
0.5005

 26.4869, 0.3953,
0.4398


 2.6299, 0.4569,
0.5431


 38.6492, 0.3868,
0.4275

 0.9417, 0.4432,
0.5568

 54.0594, 0.3797,
0.4174

 0.0000, 0.0000,
0.0000


 73.1020, 0.3738,
0.4092


 96.1615, 0.3688,
0.4023


 123.6221, 0.3646,


0.3965

 155.8682, 0.3609,
0.3915

 10.3688, 0.4182,
0.4750


 10.3688, 0.4182,
0.4750


 10.1792, 0.4266,
0.4842


 10.5761, 0.4076,
0.4621


 10.0013, 0.4332,
0.4904

 10.8012, 0.3951,
0.4460

 9.9443, 0.4354,
0.4925

 11.0459, 0.3812,
0.4274

 11.3113, 0.3665,
0.4070

 11.5985, 0.3515,
0.3857

■ 11.9085, 0.3366,
0.3642

■ 12.2423, 0.3221,
0.3429

■ 12.6007, 0.3083,
0.3225

■ 12.9846, 0.2954,
0.3030

Harmonies

Analogous

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



10.3688, 0.4747, 0.4194



10.3688, 0.4182, 0.4750



10.3688, 0.3384, 0.4943

Triad

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



10.3688, 0.4182, 0.4750



10.3688, 0.1652, 0.2631



10.3688, 0.3550, 0.2429

Complementary

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



10.3688, 0.4182, 0.4750



2.0137, 0.1794, 0.1176

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.



10.3688, 0.2663, 0.2085



10.3688, 0.4182, 0.4750



10.3688, 0.1685, 0.2134

Square

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



10.3688, 0.4182, 0.4750



10.3688, 0.1942, 0.3492



10.3688, 0.2020, 0.1973



10.3688, 0.4413, 0.2947

Rectangle

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



10.3688, 0.4182, 0.4750



10.3688, 0.2825, 0.4697



10.3688, 0.2020, 0.1973



10.3688, 0.3239, 0.2291

Sweetspot

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



10.3693, 0.4182, 0.4750



20.0501, 0.3468, 0.3790



3.3638, 0.5334, 0.3150



4.7344, 0.3507, 0.3845



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.3693, 0.4182, 0.4750



17.2175, 0.4315, 0.4886



10.2401, 0.3576, 0.5198



2.9324, 0.3251, 0.3473



12.9284, 0.4357, 0.4923



68.3871, 0.4368, 0.4914

Inverse Universe

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



2.0137, 0.1794, 0.1176



2.1488, 0.1587, 0.0800



2.2826, 0.2205, 0.1243



2.5492, 0.3000, 0.3100



1.3993, 0.1528, 0.0702



6.8527, 0.1514, 0.0649

Previews

White Background



This preview shows how the Yxy color 10.3688, 0.4182, 0.4750 looks on a white background.

Color Contrast Check

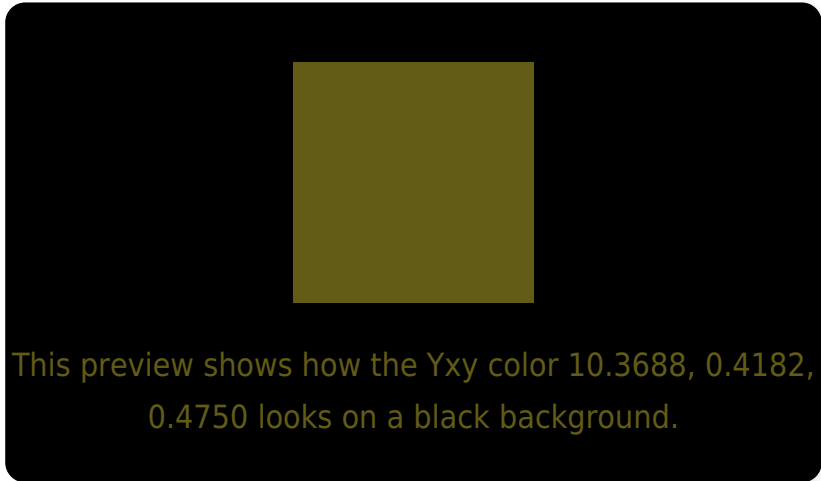
Large Text (above 18pt) WCAG AA ✓ Pass

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

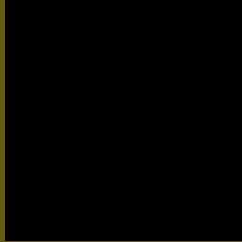
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3688, 0.4182, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 10.3688, 0.4182, 0.4750.



This preview shows how white text looks on a background with the Yxy color 10.3688, 0.4182, 0.4750.

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

10.3688, 0.4182, 0.4750

Protanopia

10.3688, 0.4250, 0.4700

Deuteranopia

10.3076, 0.4510, 0.4447



Tritanopia

10.3713, 0.3335, 0.3153

Trichromacy



Original Color

10.3688, 0.4182, 0.4750

Protanomaly

10.3107, 0.4232, 0.4711

Deuteranomaly

10.3008, 0.4402, 0.4547

Tritanomaly

10.2095, 0.3705, 0.3789

Monochromacy



Original Color

10.3688, 0.4182, 0.4750

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.5625, 0.3573, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3688, 0.4182, 0.4750 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(99, 92, 23) looks like.

```
.text, #text, p{  
  color:rgb(99, 92, 23)  
}
```

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(99, 92, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 92, 23) }
```

Border

The CSS property to change the border of an element to Yxy 10.3688, 0.4182, 0.4750 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(99, 92, 23) }
```

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

```
.border{ border-color:rgb(99, 92, 23) }
```

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

Here you see how a box with a 4 pixel rgb(99, 92, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 92, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 92, 23);  
box-shadow:4px 4px 4px 4px rgb(99, 92, 23)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.3688, 0.4182, 0.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 92, 23) }
```

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

```
.background{ background-color: rgb(99, 92,  
23) }
```

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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