

Converting Colors

$Y_{xy}(10.7245, 0.5009, 0.4933)$

Have a look what the booklet for
Yxy(10.7245, 0.5009, 0.4933)
contains.

Yxy(10.8095, 0.4754, 0.4607)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(10.8095, 0.4754, 0.4607)$

Conversions

Conversions Part 1

Format	Color
Hex	785700
RGB	120, 87, 0
RGB Percent	47%, 34%, 0%
CMY	0.5294, 0.6588, 0.9999
CMYK	0.00, 0.28, 1.00, 0.53
HSL	43°, 100%, 24%
HSV	43°, 100%, 47%
XYZ	11.1544, 10.8095, 1.4993
YIQ	86.9490, 47.5950, -20.0610

Conversions

Conversions Part 2

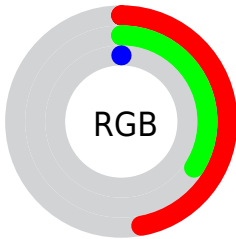
Format	Color
RYB	46, 120, 0
Decimal	7886592
CIELab	39.26, 6.62, 47.33
CIELCh	39, 47.795, 82.042
Yxy	10.8095, 0.4754, 0.4607
Android (android.graphics.Color)	4286076672 (0xFF785700)
YUV	86.9490, -42.8659, 28.9857
Hunter-Lab	32.8778, 3.0233, 20.3107

Details

The Yxy color **10.8095, 0.4754, 0.4607** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.4458, 0.1612, 0.1002**, and the grayscale version is **9.6068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4070, 0.4407, 0.4382**, and **2.8142, 0.4904, 0.4488** is the 20% darker color. If you saturate the color by 10%, you get **10.8086, 0.4754, 0.4607**, and if you desaturate by 10%, it is **11.3834, 0.4631, 0.4587**.

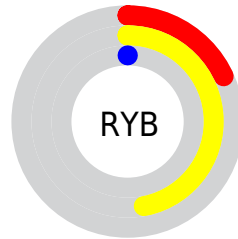
Distribution



Red (47%)

Green (34%)

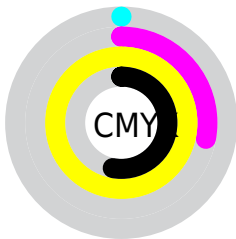
Blue (0%)



Red (18%)

Yellow (47%)

Blue (0%)

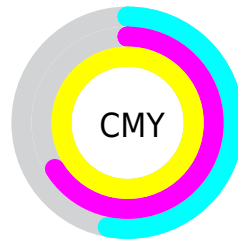


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (53%)



Cyan (53%)


Magenta (66%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8095, 0.4754, 0.4607 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 10.8095, 0.4754, 0.4607 by changing the saturation by 10% instead.


 10.8095, 0.4754,
0.4607


 10.8095, 0.4754,
0.4607


 196.3559, 0.3829,
0.3904

 5.9389, 0.5033,
0.4791

 27.3074, 0.4412,
0.4369


 2.8080, 0.5193,
0.4807

 39.7034, 0.4281,
0.4270


 1.0323, 0.5315,
0.4685

 55.3767, 0.4173,
0.4184

 0.0000, 1.0000,
0.0000

 74.7116, 0.4081,
0.4111


 0.0000, 0.0000,
0.0000

 98.0926, 0.4003,
0.4048


 125.9041, 0.3937,


0.3993


 158.5304, 0.3879,
0.3946

 10.8095, 0.4754,
0.4607

 10.8095, 0.4754,
0.4607


 10.8086, 0.4754,
0.4607

 11.3834, 0.4631,
0.4587

 11.9945, 0.4495,
0.4538

 12.6526, 0.4335,
0.4448

 13.3608, 0.4158,
0.4321

 14.1214, 0.3974,
0.4168

■ 14.9369, 0.3788,
0.3998

■ 15.8092, 0.3607,
0.3818

■ 16.7402, 0.3435,
0.3637

■ 17.7319, 0.3275,
0.3460

Harmonies

Analogous

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



10.8095, 0.5207, 0.3864



10.8095, 0.4754, 0.4607



10.8095, 0.3918, 0.5213

Triad

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



10.8095, 0.4754, 0.4607



10.8095, 0.1535, 0.2994



10.8095, 0.3004, 0.2034

Complementary

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



10.8095, 0.4754, 0.4607



2.4458, 0.1612, 0.1002

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.



10.8095, 0.2108, 0.1784



10.8095, 0.4754, 0.4607



10.8095, 0.1392, 0.2174

Square

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



10.8095, 0.4754, 0.4607



10.8095, 0.2066, 0.4226



10.8095, 0.1581, 0.1810



10.8095, 0.4125, 0.2519

Rectangle

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



10.8095, 0.4754, 0.4607



10.8095, 0.3270, 0.5304



10.8095, 0.1581, 0.1810



10.8095, 0.2667, 0.1922

Sweetspot

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



10.8100, 0.4754, 0.4607



27.6839, 0.3621, 0.3832



4.1096, 0.5727, 0.2929



6.4346, 0.3682, 0.3894



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



10.8100, 0.4754, 0.4607



18.7805, 0.4771, 0.4594



15.8139, 0.3829, 0.5342



4.4564, 0.3261, 0.3444



11.7667, 0.4757, 0.4605



54.6499, 0.4793, 0.4576

Inverse Universe

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



2.4458, 0.1612, 0.1002



4.0974, 0.1601, 0.0962



1.5767, 0.1641, 0.0678



4.0565, 0.2994, 0.3131



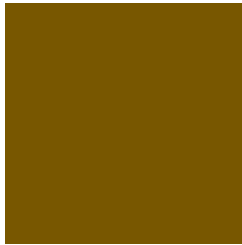
2.6447, 0.1610, 0.0994



11.3676, 0.1587, 0.0911

Previews

White Background



This preview shows how the Yxy color 10.8095, 0.4754, 0.4607 looks on a white background.

Color Contrast Check

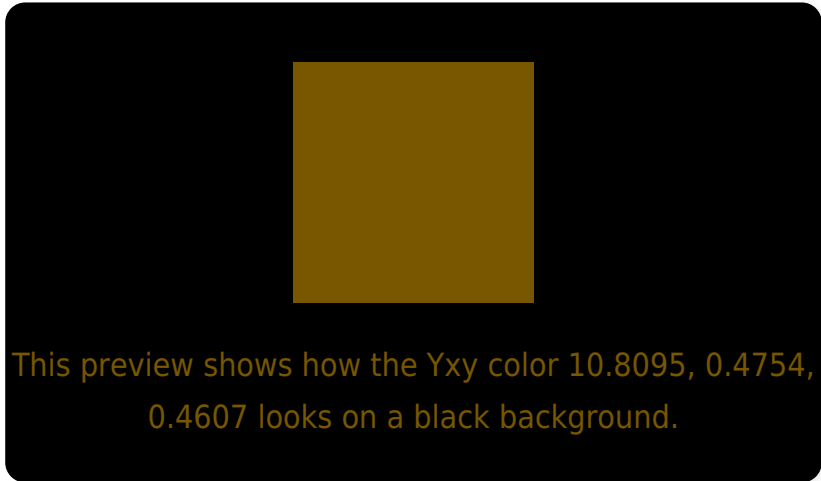
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8095, 0.4754, 0.4607

Background



This preview shows how black text looks on a background with the Yxy color 10.8095, 0.4754, 0.4607.



This preview shows how white text looks on a background with the Yxy color 10.8095, 0.4754, 0.4607.

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

10.8095, 0.4754, 0.4607

Protanopia

10.8473, 0.4364, 0.4841

Deuteranopia

10.8310, 0.4703, 0.4648



Tritanopia

10.8581, 0.3787, 0.3169

Trichromacy



Original Color

10.8095, 0.4754, 0.4607

Protanomaly

10.8059, 0.4498, 0.4768

Deuteranomaly

10.9014, 0.4719, 0.4635

Tritanomaly

10.6733, 0.4319, 0.3857

Monochromacy



Original Color

10.8095, 0.4754, 0.4607

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.7449, 0.3852, 0.4061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8095, 0.4754, 0.4607 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(120, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 87, 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(120, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 87, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.8095, 0.4754, 0.4607 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(120, 87, 0) }
```

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

```
.border{ border-color:rgb(120, 87, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 87, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8095, 0.4754, 0.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 87, 0) }
```

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

```
.background{ background-color: rgb(120, 87,  
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](#).

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