

Converting Colors

$Y_{xy}(10.5617, 0.4488, 0.4638)$

Have a look what the booklet for
Yxy(10.5617, 0.4488, 0.4638)
contains.

Yxy(10.5617, 0.4488, 0.4638)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.5617, 0.4488, 0.4638)

Conversions

Conversions Part 1

Format	Color
Hex	6F5910
RGB	111, 89, 16
RGB Percent	44%, 35%, 6%
CMY	0.5648, 0.6509, 0.9372
CMYK	0.00, 0.20, 0.86, 0.56
HSL	46°, 75%, 25%
HSV	46°, 86%, 44%
XYZ	10.2201, 10.5617, 1.9903
YIQ	87.2560, 36.5450, -18.0390

Conversions

Conversions Part 2

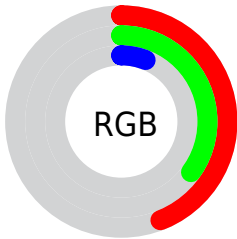
Format	Color
RYB	45, 111, 16
Decimal	7297296
CIELab	38.83, 1.42, 41.85
CIElCh	39, 41.878, 88.062
Yxy	10.5617, 0.4488, 0.4638
Android (android.graphics.Color)	4285487376 (0xFF6F5910)
YUV	87.2560, -35.1292, 20.8235
Hunter-Lab	32.4988, -0.7387, 19.1181

Details

The Yxy color **10.5617, 0.4488, 0.4638** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.6427, 0.1734, 0.1214**, and the grayscale version is **9.6606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9656, 0.4191, 0.4356**, and **2.7312, 0.4646, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **10.1155, 0.4597, 0.4677**, and if you desaturate by 10%, it is **11.0393, 0.4357, 0.4562**.

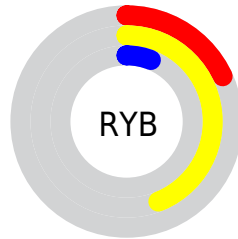
Distribution



Red (44%)

Green (35%)

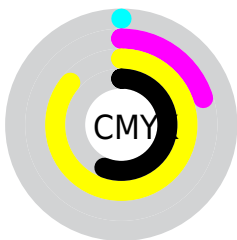
Blue (6%)



Red (18%)

Yellow (44%)

Blue (6%)

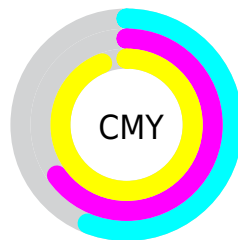


Cyan (0%)

Magenta (20%)

Yellow (86%)

Black (56%)



Cyan (56%)


Magenta (65%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5617, 0.4488, 0.4638 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 10.5617, 0.4488, 0.4638 by changing the saturation by 10% instead.


 10.5617, 0.4488,
0.4638


 10.5617, 0.4488,
0.4638


194.6353, 0.3702,
0.3869

 5.7729, 0.4701,
0.4839

 26.8468, 0.4189,
0.4350


 2.7075, 0.4943,
0.5057


 39.1119, 0.4078,
0.4242

 0.9810, 0.4972,
0.5028

 54.6379, 0.3987,
0.4151


 0.0000, 0.0000,
0.0000


 73.8092, 0.3910,
0.4076


 97.0102, 0.3846,
0.4012


 124.6253, 0.3791,

0.3957


 157.0389, 0.3743,
0.3910


 10.5617, 0.4488,
0.4638

 10.5617, 0.4488,
0.4638

 10.1155, 0.4597,
0.4677


 11.0393, 0.4357,
0.4562

 9.9237, 0.4647,
0.4693

 11.5510, 0.4204,
0.4446

 12.0993, 0.4038,
0.4300

 12.6860, 0.3865,
0.4131

 13.3129, 0.3691,
0.3949

■ 13.9816, 0.3521,
0.3760

■ 14.6934, 0.3359,
0.3572

■ 15.4498, 0.3207,
0.3389

■ 16.2519, 0.3067,
0.3214

Harmonies

Analogous

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



10.5617, 0.4958, 0.3987



10.5617, 0.4488, 0.4638



10.5617, 0.3701, 0.5055

Triad

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



10.5617, 0.4488, 0.4638



10.5617, 0.1634, 0.2864



10.5617, 0.3219, 0.2225

Complementary

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



10.5617, 0.4488, 0.4638



2.6427, 0.1734, 0.1214

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.



10.5617, 0.2352, 0.1946



10.5617, 0.4488, 0.4638



10.5617, 0.1557, 0.2201

Square

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



10.5617, 0.4488, 0.4638



10.5617, 0.2061, 0.3891



10.5617, 0.1794, 0.1922



10.5617, 0.4202, 0.2711

Rectangle

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



10.5617, 0.4488, 0.4638



10.5617, 0.3107, 0.4995



10.5617, 0.1794, 0.1922



10.5617, 0.2902, 0.2106

Sweetspot

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



10.5622, 0.4488, 0.4638



24.9044, 0.3540, 0.3781



3.8903, 0.5370, 0.2946



5.9059, 0.3584, 0.3831



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



10.5622, 0.4488, 0.4638



17.5781, 0.4661, 0.4681



13.3652, 0.3756, 0.5239



3.7918, 0.3258, 0.3451



11.6573, 0.4651, 0.4689



56.7162, 0.4682, 0.4665

Inverse Universe

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



2.6427, 0.1734, 0.1214



3.1782, 0.1578, 0.0880



1.9964, 0.1879, 0.0942



3.4142, 0.2996, 0.3124



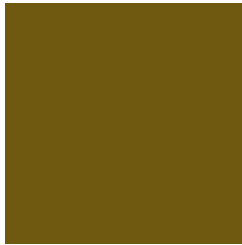
2.1702, 0.1586, 0.0908



9.6862, 0.1563, 0.0827

Previews

White Background



This preview shows how the Yxy color 10.5617, 0.4488, 0.4638 looks on a white background.

Color Contrast Check

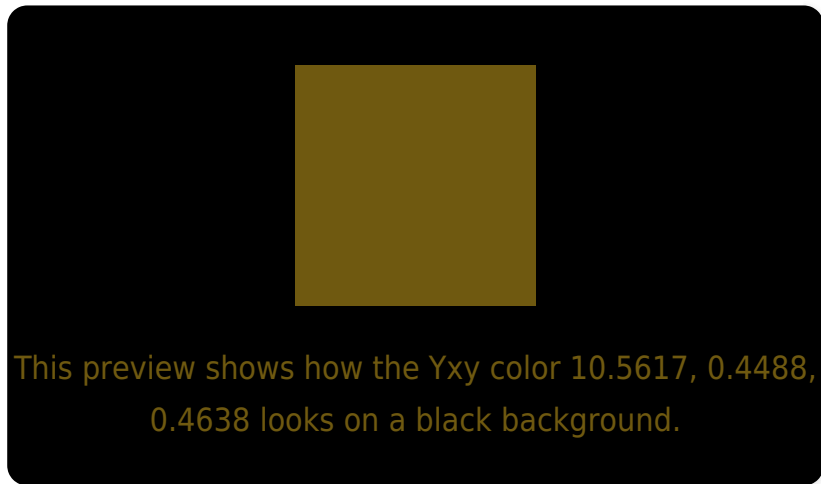
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5617, 0.4488, 0.4638

Background



This preview shows how black text looks on a background with the Yxy color 10.5617, 0.4488, 0.4638.



This preview shows how white text looks on a background with the Yxy color 10.5617, 0.4488, 0.4638.

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

10.5617, 0.4488, 0.4638

Protanopia

10.5783, 0.4295, 0.4771

Deuteranopia

10.5699, 0.4600, 0.4539



Tritanopia

10.5526, 0.3585, 0.3162

Trichromacy



Original Color

10.5617, 0.4488, 0.4638

Protanomaly

10.5868, 0.4363, 0.4720

Deuteranomaly

10.5973, 0.4549, 0.4578

Tritanomaly

10.4222, 0.4026, 0.3795

Monochromacy



Original Color

10.5617, 0.4488, 0.4638

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.8032, 0.3694, 0.3956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5617, 0.4488, 0.4638 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(111, 89, 16)` looks like.

```
.text, #text, p{  
    color:rgb(111, 89, 16)  
}
```

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(111, 89, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 89, 16) }
```

Border

The CSS property to change the border of an element to Yxy 10.5617, 0.4488, 0.4638 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(111, 89, 16) }
```

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

```
.border{ border-color:rgb(111, 89, 16) }
```

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

Here you see how a box with a 4 pixel rgb(111, 89, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 89, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 89, 16);  
box-shadow:4px 4px 4px 4px rgb(111, 89,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5617, 0.4488, 0.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 89, 16) }
```

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

```
.background{ background-color: rgb(111, 89,  
16) }
```

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