

Converting Colors

$Y_{xy}(10.9322, 0.4528, 0.4728)$

Have a look what the booklet for
Yxy(10.9322, 0.4528, 0.4728)
contains.

Yxy(10.9401, 0.4521, 0.4730)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.9401, 0.4521, 0.4730)

Conversions

Conversions Part 1

Format	Color
Hex	705B06
RGB	112, 91, 6
RGB Percent	44%, 36%, 2%
CMY	0.5608, 0.6431, 0.9765
CMYK	0.00, 0.19, 0.95, 0.56
HSL	48°, 90%, 23%
HSV	48°, 95%, 44%
XYZ	10.4567, 10.9401, 1.7324
YIQ	87.5890, 39.8010, -21.9830

Conversions

Conversions Part 2

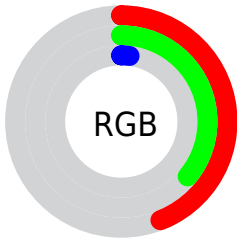
Format	Color
RYB	32, 112, 6
Decimal	7363334
CIELab	39.48, 0.45, 45.35
CIELCh	39, 45.354, 89.435
Yxy	10.9401, 0.4521, 0.4730
Android (android.graphics.Color)	4285553414 (0xFF705B06)
YUV	87.5890, -40.2234, 21.4084
Hunter-Lab	33.0758, -1.4511, 20.0477

Details

The Yxy color **10.9401, 0.4521, 0.4730** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9923, 0.1621, 0.0952**, and the grayscale version is **9.7476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6022, 0.4225, 0.4433**, and **2.9146, 0.4605, 0.4725** is the 20% darker color. If you saturate the color by 10%, you get **10.7262, 0.4573, 0.4751**, and if you desaturate by 10%, it is **11.3537, 0.4423, 0.4684**.

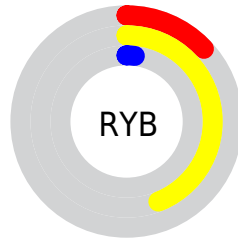
Distribution



Red (44%)

Green (36%)

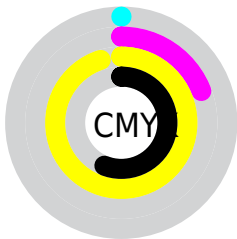
Blue (2%)



Red (13%)

Yellow (44%)

Blue (2%)

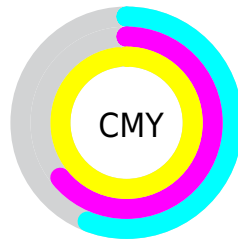


Cyan (0%)

Magenta (19%)

Yellow (95%)

Black (56%)



Cyan (56%)


Magenta (64%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9401, 0.4521, 0.4730 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 10.9401, 0.4521, 0.4730 by changing the saturation by 10% instead.


 10.9401, 0.4521,
0.4730


 10.9401, 0.4521,
0.4730


 197.2561, 0.3734,
0.3920


 6.0266, 0.4736,
0.4949

 27.5493, 0.4231,
0.4434


 2.8612, 0.4895,
0.5105


 40.0139, 0.4120,
0.4319

 1.0597, 0.4904,
0.5096

 55.7641, 0.4027,
0.4224


 0.0000, 0.0000,
0.0000


 75.1846, 0.3949,
0.4143


 98.6597, 0.3883,
0.4074

 126.5737, 0.3826,


0.4015


 159.3110, 0.3777,
0.3964

 10.9401, 0.4521,
0.4730

 10.9401, 0.4521,
0.4730


 10.7262, 0.4573,
0.4751

 11.3537, 0.4423,
0.4684

 11.7947, 0.4301,
0.4600

 12.2673, 0.4159,
0.4477

 12.7733, 0.4001,
0.4323

 13.3148, 0.3835,
0.4147

■ 13.8933, 0.3667,
0.3957

■ 14.5103, 0.3502,
0.3762

■ 15.1674, 0.3343,
0.3566

■ 15.8657, 0.3193,
0.3376

Harmonies

Analogous

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



10.9401, 0.5055, 0.4035



10.9401, 0.4521, 0.4730



10.9401, 0.3674, 0.5184

Triad

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



10.9401, 0.4521, 0.4730



10.9401, 0.1539, 0.2782



10.9401, 0.3269, 0.2184

Complementary

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



10.9401, 0.4521, 0.4730



1.9923, 0.1621, 0.0952

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.



10.9401, 0.2337, 0.1882



10.9401, 0.4521, 0.4730



10.9401, 0.1479, 0.2109

Square

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



10.9401, 0.4521, 0.4730



10.9401, 0.1961, 0.3877



10.9401, 0.1740, 0.1841



10.9401, 0.4320, 0.2699

Rectangle

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



10.9401, 0.4521, 0.4730



10.9401, 0.3047, 0.5112



10.9401, 0.1740, 0.1841



10.9401, 0.2928, 0.2057

Sweetspot

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



10.9406, 0.4521, 0.4730



25.0372, 0.3569, 0.3842



3.6552, 0.5794, 0.3048



5.9263, 0.3625, 0.3909



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.



10.9406, 0.4521, 0.4730



18.6697, 0.4584, 0.4742



13.3173, 0.3701, 0.5385



3.8095, 0.3257, 0.3458



12.3669, 0.4576, 0.4749



60.3819, 0.4601, 0.4729

Inverse Universe

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



1.9923, 0.1621, 0.0952



2.9241, 0.1561, 0.0819



1.7082, 0.1805, 0.0815



3.3977, 0.2996, 0.3117



1.9953, 0.1568, 0.0845



8.9344, 0.1548, 0.0771

Previews

White Background



This preview shows how the Yxy color 10.9401, 0.4521, 0.4730 looks on a white background.

Color Contrast Check

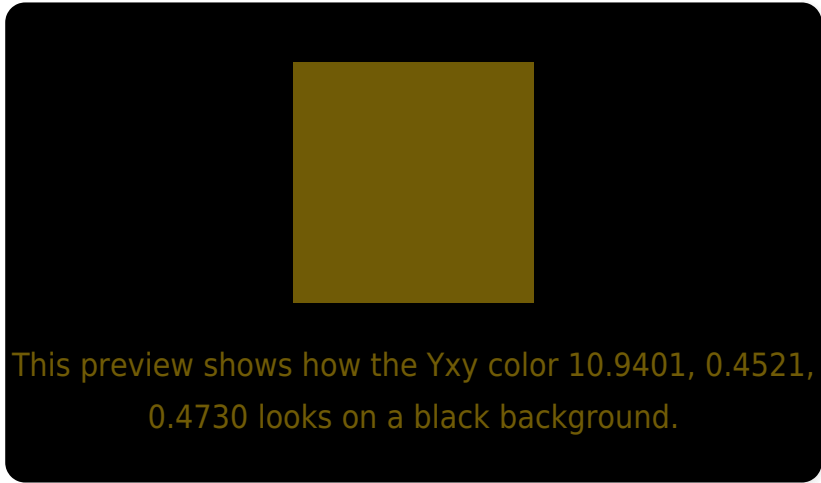
Large Text (above 18pt) WCAG AA ✓ Pass

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

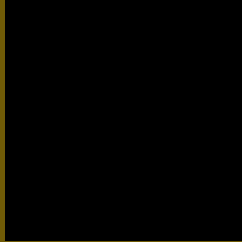
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9401, 0.4521, 0.4730

Background



This preview shows how black text looks on a background with the Yxy color 10.9401, 0.4521, 0.4730.



This preview shows how white text looks on a background with the Yxy color 10.9401, 0.4521, 0.4730.

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

10.9401, 0.4521, 0.4730

Protanopia

11.0240, 0.4347, 0.4856

Deuteranopia

10.8529, 0.4654, 0.4585



Tritanopia

11.0342, 0.3576, 0.3164

Trichromacy



Original Color

10.9401, 0.4521, 0.4730

Protanomaly

11.0322, 0.4414, 0.4804

Deuteranomaly

10.8775, 0.4608, 0.4631

Tritanomaly

10.7875, 0.4056, 0.3874

Monochromacy



Original Color

10.9401, 0.4521, 0.4730

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.9916, 0.3751, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9401, 0.4521, 0.4730 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(112, 91, 6)` looks like.

```
.text, #text, p{  
    color:rgb(112, 91, 6)  
}
```

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(112, 91, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 91, 6) }
```

Border

The CSS property to change the border of an element to Yxy 10.9401, 0.4521, 0.4730 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(112, 91, 6) }
```

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

```
.border{ border-color:rgb(112, 91, 6) }
```

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

Here you see how a box with a 4 pixel rgb(112, 91, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 91, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 91, 6);  
box-shadow:4px 4px 4px 4px rgb(112, 91, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.9401, 0.4521, 0.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 91, 6) }
```

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

```
.background{ background-color: rgb(112, 91,  
6) }
```

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