

Converting Colors

$Y_{xy}(11.8116, 0.4645, 0.4609)$

Have a look what the booklet for
Yxy(11.8116, 0.4645, 0.4609)
contains.

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Color

Yxy(11.8116, 0.4645, 0.4609)

Conversions

Conversions Part 1

Format	Color
Hex	7A5C09
RGB	122, 92, 9
RGB Percent	48%, 36%, 4%
CMY	0.5215, 0.6392, 0.9646
CMYK	0.00, 0.25, 0.93, 0.52
HSL	44°, 86%, 26%
HSV	44°, 93%, 48%
XYZ	11.9039, 11.8116, 1.9118
YIQ	91.5080, 44.5230, -19.4530

Conversions

Conversions Part 2

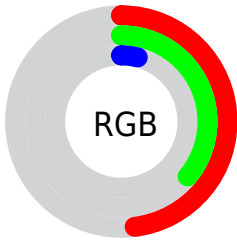
Format	Color
RYB	50, 122, 9
Decimal	8018953
CIELab	40.92, 4.84, 46.15
CIElCh	41, 46.400, 84.016
Yxy	11.8116, 0.4645, 0.4609
Android (android.graphics.Color)	4286209033 (0xFF7A5C09)
YUV	91.5080, -40.6764, 26.7415
Hunter-Lab	34.3680, 1.6820, 20.7595

Details

The Yxy color **11.8116, 0.4645, 0.4609** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.9179, 0.1673, 0.1121**, and the grayscale version is **10.6723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1699, 0.4324, 0.4360**, and **3.2982, 0.4805, 0.4566** is the 20% darker color. If you saturate the color by 10%, you get **11.3831, 0.4733, 0.4624**, and if you desaturate by 10%, it is **12.4211, 0.4519, 0.4571**.

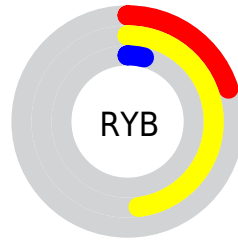
Distribution



Red (48%)

Green (36%)

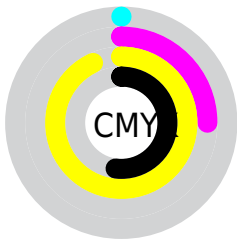
Blue (4%)



Red (20%)

Yellow (48%)

Blue (4%)

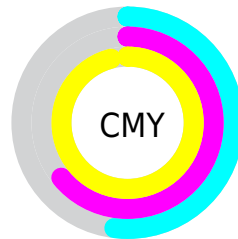


Cyan (0%)

Magenta (25%)

Yellow (93%)

Black (52%)



Cyan (52%)


Magenta (64%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8116, 0.4645, 0.4609 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 11.8116, 0.4645, 0.4609 by changing the saturation by 10% instead.


 11.8116, 0.4645,
0.4609


 11.8116, 0.4645,
0.4609


203.1540, 0.3787,
0.3894


 6.6155, 0.4868,
0.4771


 29.1515, 0.4326,
0.4358


 3.2228, 0.5098,
0.4902

 42.0641, 0.4206,
0.4258

 1.2491, 0.5179,
0.4821

 58.3177, 0.4105,
0.4172

 0.1013, 0.6791,
0.3209


 78.2967, 0.4020,
0.4099


 0.0000, 0.0000,
0.0000


 102.3854, 0.3948,
0.4037


 130.9682, 0.3887,


0.3983


 164.4297, 0.3833,
0.3935


 11.8116, 0.4645,
0.4609


 11.8116, 0.4645,
0.4609

 11.3831, 0.4733,
0.4624

 12.4211, 0.4519,
0.4571

 13.0763, 0.4368,
0.4490

 13.7810, 0.4199,
0.4371

 14.5380, 0.4018,
0.4222

 15.3495, 0.3834,
0.4054

■ 16.2178, 0.3653,
0.3874

■ 17.1448, 0.3479,
0.3690

■ 18.1326, 0.3316,
0.3509

■ 19.1827, 0.3164,
0.3334

Harmonies

Analogous

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



11.8116, 0.5093, 0.3906



11.8116, 0.4645, 0.4609



11.8116, 0.3839, 0.5136

Triad

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



11.8116, 0.4645, 0.4609



11.8116, 0.1590, 0.2955



11.8116, 0.3081, 0.2115

Complementary

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



11.8116, 0.4645, 0.4609



2.9179, 0.1673, 0.1121

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.



11.8116, 0.2205, 0.1857



11.8116, 0.4645, 0.4609



11.8116, 0.1469, 0.2200

Square

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



11.8116, 0.4645, 0.4609



11.8116, 0.2081, 0.4091



11.8116, 0.1672, 0.1867



11.8116, 0.4138, 0.2596

Rectangle

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



11.8116, 0.4645, 0.4609



11.8116, 0.3217, 0.5166



11.8116, 0.1672, 0.1867



11.8116, 0.2755, 0.2001

Sweetspot

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



11.8122, 0.4645, 0.4609



29.1530, 0.3584, 0.3802



4.4821, 0.5542, 0.2924



6.5370, 0.3646, 0.3866



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.



11.8122, 0.4645, 0.4609



19.7930, 0.4748, 0.4612



16.4095, 0.3804, 0.5291



4.4623, 0.3261, 0.3446



11.9683, 0.4734, 0.4623



55.6387, 0.4769, 0.4595

Inverse Universe

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



2.9179, 0.1673, 0.1121



4.1280, 0.1594, 0.0939



1.9659, 0.1738, 0.0791



4.0508, 0.2994, 0.3129



2.5779, 0.1604, 0.0973



11.0789, 0.1581, 0.0891

Previews

White Background



This preview shows how the Yxy color 11.8116, 0.4645, 0.4609 looks on a white background.

Color Contrast Check

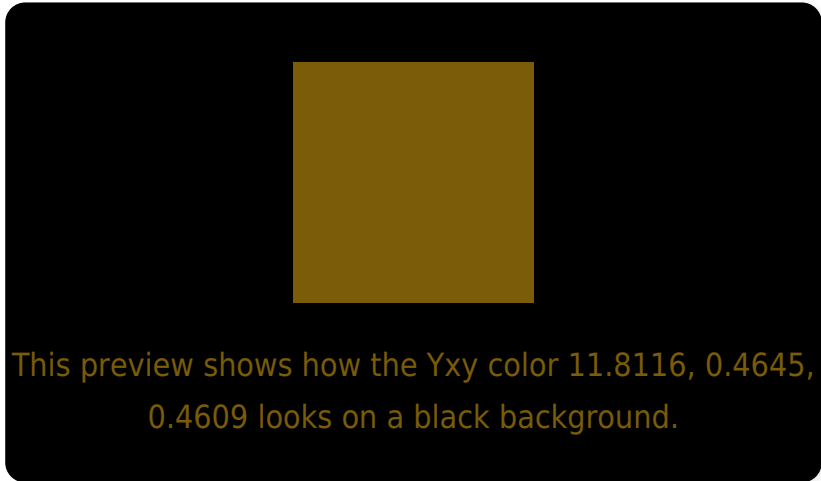
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8116, 0.4645, 0.4609

Background



This preview shows how black text looks on a background with the Yxy color 11.8116, 0.4645, 0.4609.



This preview shows how white text looks on a background with the Yxy color 11.8116, 0.4645, 0.4609.

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

11.8116, 0.4645, 0.4609

Protanopia

11.8248, 0.4343, 0.4826

Deuteranopia

11.8116, 0.4645, 0.4609



Tritanopia

11.8639, 0.3706, 0.3171

Trichromacy



Original Color

11.8116, 0.4645, 0.4609

Protanomaly

11.7837, 0.4462, 0.4742

Deuteranomaly

11.8116, 0.4645, 0.4609

Tritanomaly

11.6872, 0.4183, 0.3814

Monochromacy



Original Color

11.8116, 0.4645, 0.4609

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.8857, 0.3770, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8116, 0.4645, 0.4609 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(122, 92, 9)` looks like.

```
.text, #text, p{  
    color:rgb(122, 92, 9)  
}
```

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(122, 92, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 92, 9) }
```

Border

The CSS property to change the border of an element to Yxy 11.8116, 0.4645, 0.4609 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(122, 92, 9) }
```

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

```
.border{ border-color:rgb(122, 92, 9) }
```

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

Here you see how a box with a 4 pixel rgb(122, 92, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 92, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 92, 9);  
box-shadow:4px 4px 4px 4px rgb(122, 92, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8116, 0.4645, 0.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 92, 9) }
```

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

```
.background{ background-color: rgb(122, 92,  
9) }
```

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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