

Converting Colors

$Y_{xy}(13.8794, 0.4599, 0.4731)$

Have a look what the booklet for
Yxy(13.8794, 0.4599, 0.4731)
contains.

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Color

Yxy(13.8966, 0.4608, 0.4723)

Conversions

Conversions Part 1

Format	Color
Hex	806500
RGB	128, 101, 0
RGB Percent	50%, 40%, 0%
CMY	0.4980, 0.6039, 0.9999
CMYK	0.00, 0.21, 1.00, 0.50
HSL	47°, 100%, 25%
HSV	47°, 100%, 50%
XYZ	13.5582, 13.8966, 1.9684
YIQ	97.5590, 48.5130, -25.6870

Conversions

Conversions Part 2

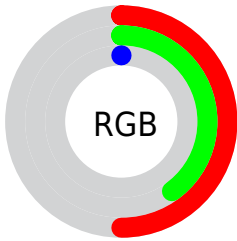
Format	Color
R_YB	34, 128, 0
Decimal	8414464
CIE Lab	44.08, 2.27, 51.10
CIE LCh	44, 51.153, 87.460
Yxy	13.8966, 0.4608, 0.4723
Android (android.graphics.Color)	4286604544 (0xFF806500)
YUV	97.5590, -48.0966, 26.6968
Hunter-Lab	37.2781, -0.3155, 22.9640

Details

The Yxy color **13.8966, 0.4608, 0.4723** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.3456, 0.1572, 0.0859**, and the grayscale version is **12.2130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0970, 0.4324, 0.4465**, and **4.1882, 0.4673, 0.4671** is the 20% darker color. If you saturate the color by 10%, you get **13.8960, 0.4608, 0.4723**, and if you desaturate by 10%, it is **14.4594, 0.4513, 0.4696**.

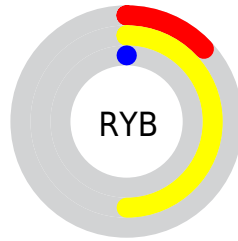
Distribution



Red (50%)

Green (40%)

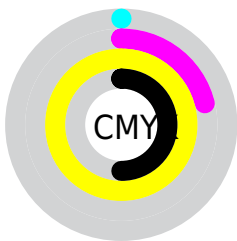
Blue (0%)



Red (13%)

Yellow (50%)

Blue (0%)

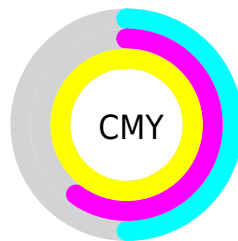


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (50%)



Cyan (50%)


Magenta (60%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8966, 0.4608, 0.4723 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 13.8966, 0.4608, 0.4723 by changing the saturation by 10% instead.


 13.8966, 0.4608,
0.4723


 13.8966, 0.4608,
0.4723


 216.5866, 0.3807,
0.3963


 8.0488, 0.4790,
0.4884


 32.9054, 0.4325,
0.4461


 4.1262, 0.4971,
0.5029

 46.8353, 0.4212,
0.4355


 1.7444, 0.5003,
0.4997

 64.2279, 0.4117,
0.4264

 0.4522, 0.5176,
0.4824


 85.4677, 0.4036,
0.4186

 0.0000, 0.0000,
0.0000

 110.9391, 0.3966,
0.4118

 141.0264, 0.3906,


0.4060


 176.1141, 0.3853,
0.4008


 13.8966, 0.4608,
0.4723

 13.8966, 0.4608,
0.4723


 13.8960, 0.4608,
0.4723

 14.4594, 0.4513,
0.4696

 15.0548, 0.4402,
0.4640

 15.6932, 0.4266,
0.4541

 16.3779, 0.4111,
0.4406

 17.1116, 0.3943,
0.4242

■ 17.8969, 0.3771,
0.4059

■ 18.7360, 0.3599,
0.3866

■ 19.6309, 0.3432,
0.3669

■ 20.5836, 0.3274,
0.3476

Harmonies

Analogous

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



13.8966, 0.5140, 0.3995



13.8966, 0.4608, 0.4723



13.8966, 0.3743, 0.5244

Triad

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



13.8966, 0.4608, 0.4723



13.8966, 0.1503, 0.2818



13.8966, 0.3199, 0.2120

Complementary

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



13.8966, 0.4608, 0.4723



2.3456, 0.1572, 0.0859

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.



13.8966, 0.2256, 0.1827



13.8966, 0.4608, 0.4723



13.8966, 0.1422, 0.2096

Square

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



13.8966, 0.4608, 0.4723



13.8966, 0.1958, 0.3983



13.8966, 0.1668, 0.1801



13.8966, 0.4301, 0.2636

Rectangle

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



13.8966, 0.4608, 0.4723



13.8966, 0.3097, 0.5222



13.8966, 0.1668, 0.1801



13.8966, 0.2850, 0.1995

Sweetspot

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



13.8973, 0.4608, 0.4723



32.8677, 0.3611, 0.3880



4.6741, 0.5959, 0.3057



7.5705, 0.3671, 0.3949



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.8973, 0.4608, 0.4723



24.2460, 0.4619, 0.4714



17.7065, 0.3715, 0.5432



4.8701, 0.3261, 0.3459



13.7762, 0.4608, 0.4723



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.3456, 0.1572, 0.0859



3.9460, 0.1563, 0.0827



1.9401, 0.1708, 0.0715



4.3476, 0.2993, 0.3115



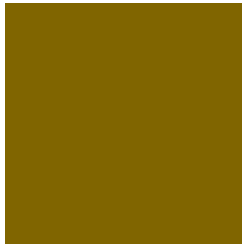
2.3257, 0.1572, 0.0860



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.8966, 0.4608, 0.4723 looks on a white background.

Color Contrast Check

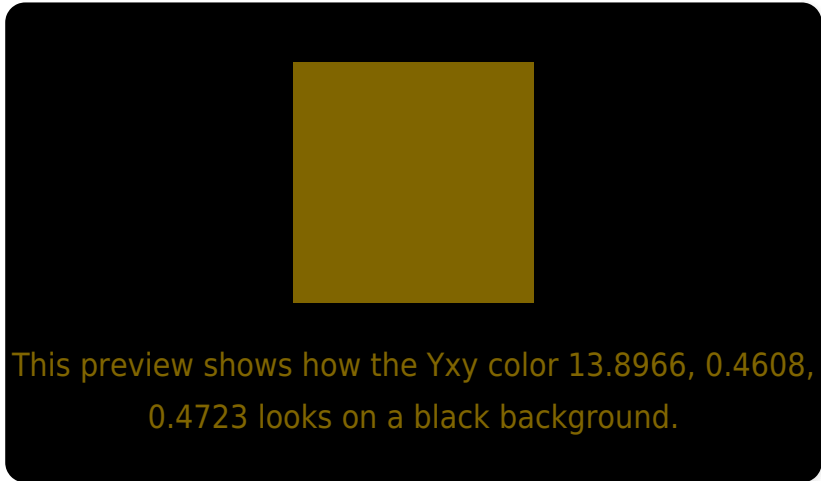
Large Text (above 18pt) WCAG AA ✓ Pass

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

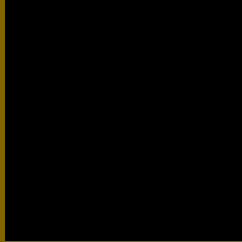
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8966, 0.4608, 0.4723

Background



This preview shows how black text looks on a background with the Yxy color 13.8966, 0.4608, 0.4723.



This preview shows how white text looks on a background with the Yxy color 13.8966, 0.4608, 0.4723.

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

13.8966, 0.4608, 0.4723

Protanopia

13.9679, 0.4370, 0.4862

Deuteranopia

13.8467, 0.4669, 0.4611



Tritanopia

13.9315, 0.3633, 0.3158

Trichromacy



Original Color

13.8966, 0.4608, 0.4723

Protanomaly

14.0470, 0.4454, 0.4813

Deuteranomaly

13.9506, 0.4649, 0.4651

Tritanomaly

13.7448, 0.4155, 0.3922

Monochromacy



Original Color

13.8966, 0.4608, 0.4723

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.5227, 0.3813, 0.4103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8966, 0.4608, 0.4723 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(128, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 101, 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(128, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 101, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.8966, 0.4608, 0.4723 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(128, 101, 0) }
```

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

```
.border{ border-color:rgb(128, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 101,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8966, 0.4608, 0.4723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 101, 0) }
```

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

```
.background{ background-color: rgb(128,  
101, 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](#).

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