

Converting Colors

$Y_{xy}(13.6533, 0.4619, 0.4713)$

Have a look what the booklet for
Yxy(13.6533, 0.4619, 0.4713)
contains.

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Color

Yxy(13.7035, 0.4625, 0.4709)

Conversions

Conversions Part 1

Format	Color
Hex	806400
RGB	128, 100, 0
RGB Percent	50%, 39%, 0%
CMY	0.4981, 0.6078, 0.9996
CMYK	0.00, 0.22, 1.00, 0.50
HSL	47°, 100%, 25%
HSV	47°, 100%, 50%
XYZ	13.4591, 13.7035, 1.9381
YIQ	96.9720, 48.7880, -25.1640

Conversions

Conversions Part 2

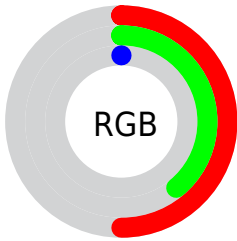
Format	Color
R_{YB}	36, 128, 0
Decimal	8414208
CIE Lab	43.80, 2.83, 50.89
CIE LCh	44, 50.970, 86.813
Yxy	13.7035, 0.4625, 0.4709
Android (android.graphics.Color)	4286604288 (0xFF806400)
YUV	96.9720, -47.8072, 27.2116
Hunter-Lab	37.0182, 0.1169, 22.8086

Details

The Yxy color **13.7035, 0.4625, 0.4709** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.3933, 0.1577, 0.0875**, and the grayscale version is **12.0603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4532, 0.4344, 0.4443**, and **4.0942, 0.4703, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **13.7002, 0.4626, 0.4709**, and if you desaturate by 10%, it is **14.2794, 0.4528, 0.4683**.

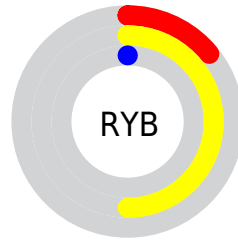
Distribution



Red (50%)

Green (39%)

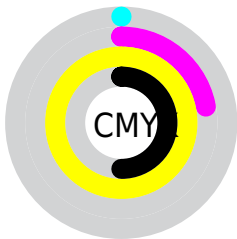
Blue (0%)



Red (14%)

Yellow (50%)

Blue (0%)

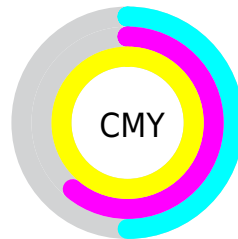


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (50%)



Cyan (50%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7035, 0.4625, 0.4709 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 13.7035, 0.4625, 0.4709 by changing the saturation by 10% instead.


 13.7035, 0.4625,
0.4709


 13.7035, 0.4625,
0.4709


 215.3784, 0.3811,
0.3958


 7.9147, 0.4813,
0.4869


 32.5620, 0.4336,
0.4451


 4.0404, 0.4996,
0.5004

 46.4005, 0.4222,
0.4346


 1.6962, 0.5037,
0.4963

 63.6911, 0.4126,
0.4256

 0.4212, 0.5271,
0.4729

 84.8181, 0.4043,
0.4178


 0.0000, 0.0000,
0.0000


 110.1659, 0.3972,
0.4111

 140.1190, 0.3911,


0.4053


 175.0617, 0.3858,
0.4002


 13.7035, 0.4625,
0.4709


 13.7035, 0.4625,
0.4709


 13.7002, 0.4626,
0.4709

 14.2794, 0.4528,
0.4683

 14.8891, 0.4413,
0.4628

 15.5432, 0.4274,
0.4530

 16.2447, 0.4116,
0.4396

 16.9967, 0.3947,
0.4233

■ 17.8014, 0.3772,
0.4051

■ 18.6613, 0.3599,
0.3859

■ 19.5783, 0.3432,
0.3665

■ 20.5544, 0.3274,
0.3473

Harmonies

Analogous

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



13.7035, 0.5148, 0.3979



13.7035, 0.4625, 0.4709



13.7035, 0.3764, 0.5241

Triad

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



13.7035, 0.4625, 0.4709



13.7035, 0.1507, 0.2839



13.7035, 0.3176, 0.2111

Complementary

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



13.7035, 0.4625, 0.4709



2.3933, 0.1577, 0.0875

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.



13.7035, 0.2238, 0.1822



13.7035, 0.4625, 0.4709



13.7035, 0.1419, 0.2105

Square

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



13.7035, 0.4625, 0.4709



13.7035, 0.1971, 0.4011



13.7035, 0.1658, 0.1803



13.7035, 0.4280, 0.2623

Rectangle

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



13.7035, 0.4625, 0.4709



13.7035, 0.3117, 0.5232



13.7035, 0.1658, 0.1803



13.7035, 0.2828, 0.1987

Sweetspot

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



13.7042, 0.4625, 0.4709



32.7404, 0.3612, 0.3874



4.6841, 0.5907, 0.3029



7.5376, 0.3673, 0.3943



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.



13.7042, 0.4625, 0.4709



23.9068, 0.4637, 0.4700



17.8108, 0.3743, 0.5409



4.8648, 0.3261, 0.3458



13.5880, 0.4625, 0.4709



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.3933, 0.1577, 0.0875



4.0223, 0.1567, 0.0840



1.9038, 0.1689, 0.0705



4.3526, 0.2993, 0.3117



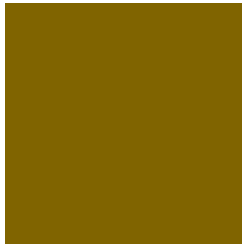
2.3712, 0.1576, 0.0874



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.7035, 0.4625, 0.4709 looks on a white background.

Color Contrast Check

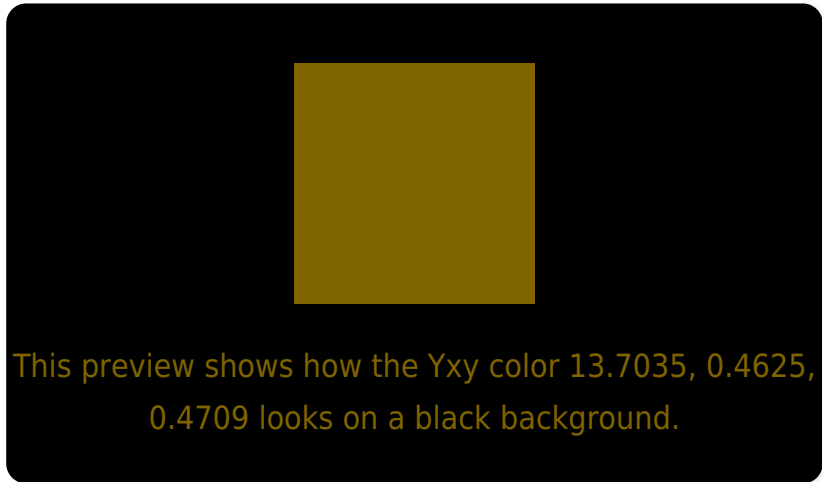
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7035, 0.4625, 0.4709

Background



This preview shows how black text looks on a background with the Yxy color 13.7035, 0.4625, 0.4709.



This preview shows how white text looks on a background with the Yxy color 13.7035, 0.4625, 0.4709.

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

13.7035, 0.4625, 0.4709

Protanopia

13.6957, 0.4371, 0.4860

Deuteranopia

13.7643, 0.4659, 0.4626



Tritanopia

13.7353, 0.3653, 0.3158

Trichromacy



Original Color

13.7035, 0.4625, 0.4709

Protanomaly

13.7742, 0.4456, 0.4811

Deuteranomaly

13.6783, 0.4656, 0.4652

Tritanomaly

13.5612, 0.4165, 0.3904

Monochromacy



Original Color

13.7035, 0.4625, 0.4709

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.2713, 0.3805, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7035, 0.4625, 0.4709 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, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 100, 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, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.7035, 0.4625, 0.4709 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, 100, 0) }
```

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

```
.border{ border-color:rgb(128, 100, 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, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7035, 0.4625, 0.4709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 100, 0) }
```

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

```
.background{ background-color: rgb(128,  
100, 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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