

Converting Colors

$Y_{xy}(13.8500, 0.4462, 0.4787)$

Have a look what the booklet for
Yxy(13.8500, 0.4462, 0.4787)
contains.

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Color

Yxy(13.8512, 0.4463, 0.4789)

Conversions

Conversions Part 1

Format	Color
Hex	7A6706
RGB	122, 103, 6
RGB Percent	48%, 40%, 2%
CMY	0.5216, 0.5961, 0.9767
CMYK	0.00, 0.16, 0.95, 0.52
HSL	50°, 91%, 25%
HSV	50°, 95%, 48%
XYZ	12.9083, 13.8512, 2.1634
YIQ	97.6230, 42.4610, -26.1390

Conversions

Conversions Part 2

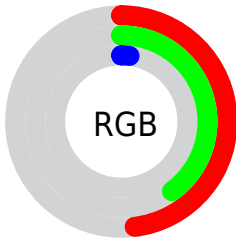
Format	Color
RYB	29, 122, 6
Decimal	8021766
CIELab	44.02, -1.69, 49.31
CIELCh	44, 49.340, 91.967
Yxy	13.8512, 0.4463, 0.4789
Android (android.graphics.Color)	4286211846 (0xFF7A6706)
YUV	97.6230, -45.1701, 21.3786
Hunter-Lab	37.2172, -3.2196, 22.6055

Details

The Yxy color **13.8512, 0.4463, 0.4789** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.1352, 0.1593, 0.0865**, and the grayscale version is **12.2203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9351, 0.4210, 0.4500**, and **4.1915, 0.4497, 0.4811** is the 20% darker color. If you saturate the color by 10%, you get **13.6468, 0.4502, 0.4807**, and if you desaturate by 10%, it is **14.2848, 0.4379, 0.4744**.

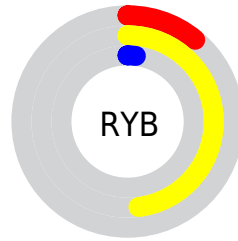
Distribution



Red (48%)

Green (40%)

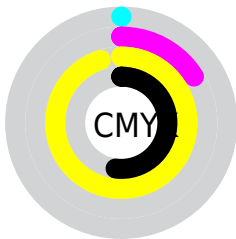
Blue (2%)



Red (11%)

Yellow (48%)

Blue (2%)

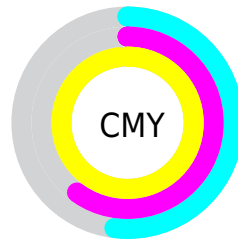


Cyan (0%)

Magenta (16%)

Yellow (95%)

Black (52%)



Cyan (52%)


Magenta (60%)


Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8512, 0.4463, 0.4789 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 13.8512, 0.4463, 0.4789 by changing the saturation by 10% instead.


 13.8512, 0.4463,
0.4789


 13.8512, 0.4463,
0.4789


216.3032, 0.3742,
0.3968


 8.0172, 0.4619,
0.4976


 32.8248, 0.4208,
0.4494


 4.1060, 0.4799,
0.5201

 46.7332, 0.4107,
0.4378


 1.7330, 0.4774,
0.5226

 64.1019, 0.4022,
0.4281

 0.4449, 0.4617,
0.5383

 85.3152, 0.3948,
0.4199

 0.0000, 0.0000,
0.0000


 110.7576, 0.3885,
0.4128


 140.8135, 0.3831,


0.4067

 175.8672, 0.3783,
0.4014


 13.8512, 0.4463,
0.4789


 13.8512, 0.4463,
0.4789


 13.6468, 0.4502,
0.4807

 14.2848, 0.4379,
0.4744

 14.7476, 0.4272,
0.4659

 15.2441, 0.4141,
0.4535

 15.7771, 0.3994,
0.4378

 16.3487, 0.3835,
0.4197

■ 16.9609, 0.3672,
0.4000

■ 17.6156, 0.3509,
0.3795

■ 18.3145, 0.3351,
0.3590

■ 19.0591, 0.3201,
0.3390

Harmonies

Analogous

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



13.8512, 0.5037, 0.4096



13.8512, 0.4463, 0.4789



13.8512, 0.3596, 0.5207

Triad

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



13.8512, 0.4463, 0.4789



13.8512, 0.1513, 0.2704



13.8512, 0.3359, 0.2216

Complementary

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



13.8512, 0.4463, 0.4789



2.1352, 0.1593, 0.0865

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.



13.8512, 0.2400, 0.1892



13.8512, 0.4463, 0.4789



13.8512, 0.1481, 0.2066

Square

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



13.8512, 0.4463, 0.4789



13.8512, 0.1904, 0.3778



13.8512, 0.1771, 0.1827



13.8512, 0.4407, 0.2747

Rectangle

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



13.8512, 0.4463, 0.4789



13.8512, 0.2965, 0.5084



13.8512, 0.1771, 0.1827



13.8512, 0.3011, 0.2081

Sweetspot

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



13.8519, 0.4463, 0.4789



30.4590, 0.3583, 0.3889



4.3374, 0.5930, 0.3111



6.8745, 0.3639, 0.3959



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.



13.8519, 0.4463, 0.4789



23.8452, 0.4510, 0.4801



15.7838, 0.3647, 0.5437



4.5276, 0.3259, 0.3468



14.3592, 0.4503, 0.4807



67.4412, 0.4522, 0.4792

Inverse Universe

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



2.1352, 0.1593, 0.0865



3.2050, 0.1543, 0.0756



2.0831, 0.1835, 0.0824



3.9898, 0.2994, 0.3106



1.9955, 0.1551, 0.0782



8.6638, 0.1534, 0.0720

Previews

White Background



This preview shows how the Yxy color 13.8512, 0.4463, 0.4789 looks on a white background.

Color Contrast Check

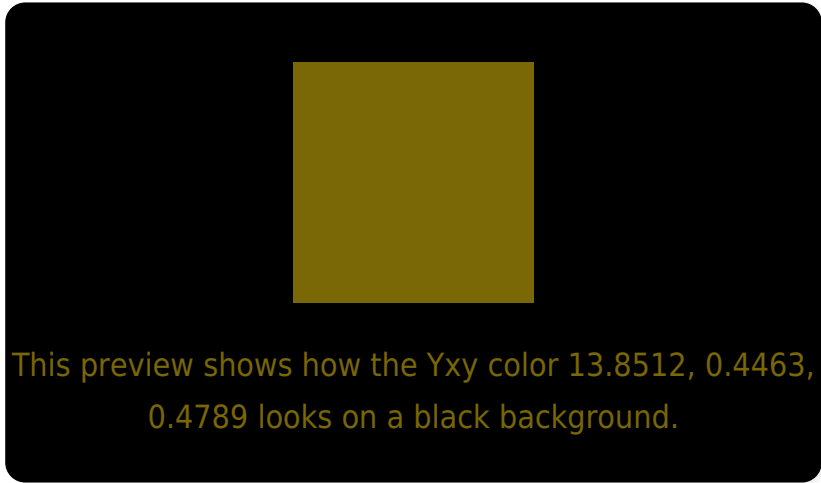
Large Text (above 18pt) WCAG AA ✓ Pass

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

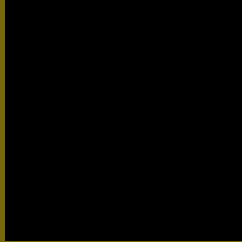
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8512, 0.4463, 0.4789

Background



This preview shows how black text looks on a background with the Yxy color 13.8512, 0.4463, 0.4789.



This preview shows how white text looks on a background with the Yxy color 13.8512, 0.4463, 0.4789.

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

13.8512, 0.4463, 0.4789

Protanopia

13.9700, 0.4367, 0.4856

Deuteranopia

13.8558, 0.4653, 0.4591



Tritanopia

13.9342, 0.3517, 0.3155

Trichromacy



Original Color

13.8512, 0.4463, 0.4789

Protanomaly

13.8379, 0.4398, 0.4831

Deuteranomaly

13.7255, 0.4587, 0.4658

Tritanomaly

13.7767, 0.4000, 0.3906

Monochromacy



Original Color

13.8512, 0.4463, 0.4789

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.6218, 0.3731, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8512, 0.4463, 0.4789 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, 103, 6)` looks like.

```
.text, #text, p{  
    color:rgb(122, 103, 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(122, 103, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 103, 6) }
```

Border

The CSS property to change the border of an element to Yxy 13.8512, 0.4463, 0.4789 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, 103, 6) }
```

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

```
.border{ border-color:rgb(122, 103, 6) }
```

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

Here you see how a box with a 4 pixel rgb(122, 103, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 103, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 103, 6);  
box-shadow:4px 4px 4px 4px rgb(122, 103,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8512, 0.4463, 0.4789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 103, 6) }
```

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

```
.background{ background-color: rgb(122,  
103, 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](#).

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