

Converting Colors

$Y_{xy}(13.5460, 0.4693, 0.5096)$

Have a look what the booklet for
Yxy(13.5460, 0.4693, 0.5096)
contains.

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Color

Yxy(13.6403, 0.4503, 0.4807)

Conversions

Conversions Part 1

Format	Color
Hex	7A6600
RGB	122, 102, 0
RGB Percent	48%, 40%, 0%
CMY	0.5216, 0.6000, 1.0000
CMYK	0.00, 0.16, 1.00, 0.52
HSL	50°, 100%, 24%
HSV	50°, 100%, 48%
XYZ	12.7777, 13.6403, 1.9579
YIQ	96.3520, 44.6620, -27.4820

Conversions

Conversions Part 2

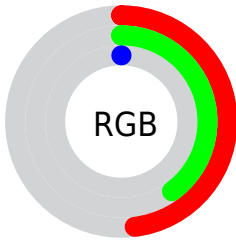
Format	Color
R_{YB}	24, 122, 0
Decimal	8021504
CIE _{Lab}	43.71, -1.24, 50.56
CIE _{LCh}	44, 50.571, 91.409
Yxy	13.6403, 0.4503, 0.4807
Android (android.graphics.Color)	4286211584 (0xFF7A6600)
YUV	96.3520, -47.5015, 22.4933
Hunter-Lab	36.9328, -2.8765, 22.7098

Details

The Yxy color **13.6403, 0.4503, 0.4807** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9056, 0.1552, 0.0786**, and the grayscale version is **11.8977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5737, 0.4240, 0.4518**, and **4.0936, 0.4525, 0.4789** is the 20% darker color. If you saturate the color by 10%, you get **13.6411, 0.4503, 0.4807**, and if you desaturate by 10%, it is **14.0660, 0.4423, 0.4769**.

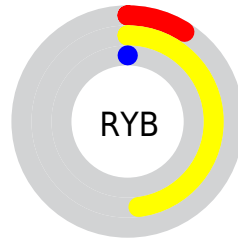
Distribution



Red (48%)

Green (40%)

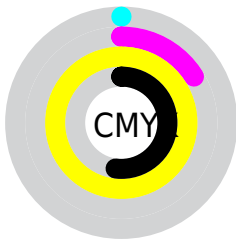
Blue (0%)



Red (9%)

Yellow (48%)

Blue (0%)

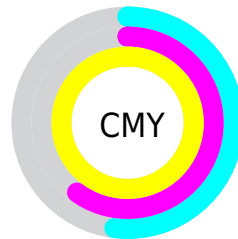


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (52%)



Cyan (52%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6403, 0.4503, 0.4807 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 13.6403, 0.4503, 0.4807 by changing the saturation by 10% instead.


 13.6403, 0.4503,
0.4807


 13.6403, 0.4503,
0.4807


 214.9815, 0.3763,
0.3982


 7.8709, 0.4667,
0.4997


 32.4494, 0.4244,
0.4514


 4.0125, 0.4818,
0.5182

 46.2579, 0.4141,
0.4399


 1.6805, 0.4800,
0.5200


 63.5150, 0.4052,
0.4301

 0.4110, 0.4671,
0.5329


 84.6049, 0.3977,
0.4217


 0.0000, 0.0000,
0.0000

 109.9121, 0.3912,
0.4145


 139.8210, 0.3855,

0.4083


 174.7160, 0.3806,
0.4030

 13.6403, 0.4503,
0.4807


 13.6403, 0.4503,
0.4807


 13.6411, 0.4503,
0.4807

 14.0660, 0.4423,
0.4769

 14.5141, 0.4328,
0.4705

 14.9947, 0.4208,
0.4599

 15.5105, 0.4068,
0.4458

 16.0639, 0.3913,
0.4287

■ 16.6570, 0.3751,
0.4097

■ 17.2918, 0.3588,
0.3895

■ 17.9700, 0.3427,
0.3689

■ 18.6933, 0.3273,
0.3486

Harmonies

Analogous

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



13.6403, 0.5091, 0.4090



13.6403, 0.4503, 0.4807



13.6403, 0.3616, 0.5261

Triad

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



13.6403, 0.4503, 0.4807



13.6403, 0.1479, 0.2699



13.6403, 0.3343, 0.2182

Complementary

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



13.6403, 0.4503, 0.4807



1.9056, 0.1552, 0.0786

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.



13.6403, 0.2364, 0.1857



13.6403, 0.4503, 0.4807



13.6403, 0.1443, 0.2041

Square

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



13.6403, 0.4503, 0.4807



13.6403, 0.1881, 0.3814



13.6403, 0.1730, 0.1794



13.6403, 0.4426, 0.2719

Rectangle

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



13.6403, 0.4503, 0.4807



13.6403, 0.2971, 0.5155



13.6403, 0.1730, 0.1794



13.6403, 0.2986, 0.2046

Sweetspot

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



13.6411, 0.4503, 0.4807



30.3360, 0.3599, 0.3910



4.1896, 0.6086, 0.3126



6.8489, 0.3655, 0.3978



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.



13.6411, 0.4503, 0.4807



23.8307, 0.4511, 0.4800



15.6843, 0.3637, 0.5494



4.5274, 0.3259, 0.3468



14.3507, 0.4504, 0.4806



67.3989, 0.4522, 0.4791

Inverse Universe

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



1.9056, 0.1552, 0.0786



3.2073, 0.1543, 0.0756



1.8699, 0.1778, 0.0753



3.9900, 0.2994, 0.3106



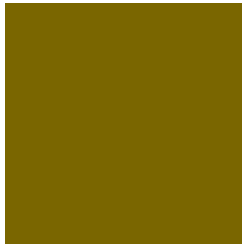
1.9970, 0.1551, 0.0783



8.6697, 0.1534, 0.0721

Previews

White Background



This preview shows how the Yxy color 13.6403, 0.4503, 0.4807 looks on a white background.

Color Contrast Check

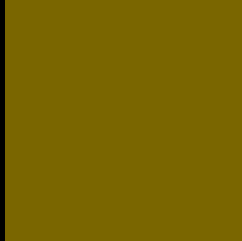
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 13.6403, 0.4503, 0.4807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

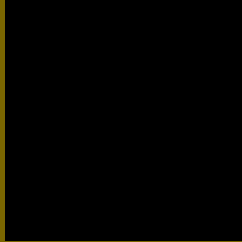
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6403, 0.4503, 0.4807

Background



This preview shows how black text looks on a background with the Yxy color 13.6403, 0.4503, 0.4807.



This preview shows how white text looks on a background with the Yxy color 13.6403, 0.4503, 0.4807.

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

13.6403, 0.4503, 0.4807

Protanopia

13.6913, 0.4379, 0.4871

Deuteranopia

13.5848, 0.4661, 0.4592



Tritanopia

13.7329, 0.3536, 0.3154

Trichromacy



Original Color

13.6403, 0.4503, 0.4807

Protanomaly

13.6290, 0.4429, 0.4839

Deuteranomaly

13.5282, 0.4616, 0.4659

Tritanomaly

13.5526, 0.4053, 0.3944

Monochromacy



Original Color

13.6403, 0.4503, 0.4807

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.0755, 0.3770, 0.4125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6403, 0.4503, 0.4807 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, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 102, 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(122, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.6403, 0.4503, 0.4807 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, 102, 0) }
```

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

```
.border{ border-color:rgb(122, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(122, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6403, 0.4503, 0.4807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 102, 0) }
```

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

```
.background{ background-color: rgb(122,  
102, 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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