

Converting Colors

$Y_{xy}(13.2888, 0.4802, 0.4525)$

Have a look what the booklet for
Yxy(13.2888, 0.4802, 0.4525)
contains.

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Color

Yxy(13.3463, 0.4794, 0.4534)

Conversions

Conversions Part 1

Format	Color
Hex	875F05
RGB	135, 95, 5
RGB Percent	53%, 37%, 2%
CMY	0.4706, 0.6274, 0.9801
CMYK	0.00, 0.30, 0.96, 0.47
HSL	42°, 93%, 27%
HSV	42°, 96%, 53%
XYZ	14.1116, 13.3463, 1.9781
YIQ	96.7000, 52.7300, -19.5100

Conversions

Conversions Part 2

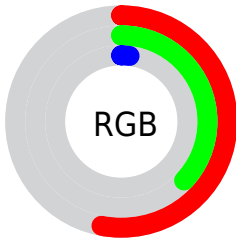
Format	Color
RYB	63, 135, 5
Decimal	8871685
CIELab	43.28, 9.24, 49.63
CIELCh	43, 50.484, 79.455
Yxy	13.3463, 0.4794, 0.4534
Android (android.graphics.Color)	4287061765 (0xFF875F05)
YUV	96.7000, -45.2081, 33.5891
Hunter-Lab	36.5326, 5.0181, 22.3625

Details

The Yxy color **13.3463, 0.4794, 0.4534** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.6648, 0.1661, 0.1132**, and the grayscale version is **11.9824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8051, 0.4453, 0.4327**, and **3.9021, 0.4991, 0.4419** is the 20% darker color. If you saturate the color by 10%, you get **13.0568, 0.4844, 0.4536**, and if you desaturate by 10%, it is **14.1503, 0.4660, 0.4522**.

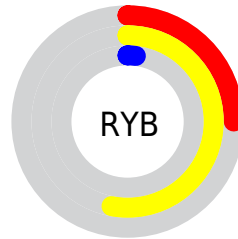
Distribution



Red (53%)

Green (37%)

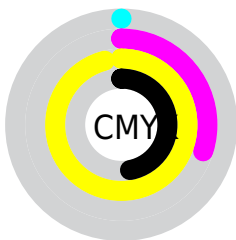
Blue (2%)



Red (25%)

Yellow (53%)

Blue (2%)

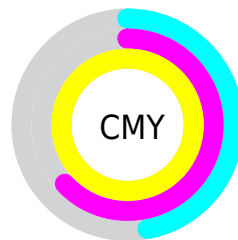


Cyan (0%)

Magenta (30%)

Yellow (96%)

Black (47%)



Cyan (47%)


Magenta (63%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3463, 0.4794, 0.4534 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 13.3463, 0.4794, 0.4534 by changing the saturation by 10% instead.


 13.3463, 0.4794,
0.4534

 13.3463, 0.4794,
0.4534


 213.1253, 0.3868,
0.3899


 7.6674, 0.5022,
0.4650


 31.9245, 0.4456,
0.4327


 3.8829, 0.5271,
0.4729

 45.5927, 0.4326,
0.4239

 1.6083, 0.5402,
0.4598

 62.6928, 0.4217,
0.4161

 0.3632, 0.6111,
0.3889


 83.6091, 0.4125,
0.4094

 0.0000, 0.0000,
0.0000


 108.7262, 0.4046,
0.4035


 138.4283, 0.3978,


0.3984


 173.0998, 0.3919,
0.3939


 13.3463, 0.4794,
0.4534

 13.3463, 0.4794,
0.4534


 13.0568, 0.4844,
0.4536

 14.1503, 0.4660,
0.4522

 15.0189, 0.4501,
0.4466

 15.9588, 0.4320,
0.4368

 16.9738, 0.4128,
0.4237

 18.0673, 0.3931,
0.4081

■ 19.2425, 0.3737,
0.3912

■ 20.5022, 0.3552,
0.3736

■ 21.8490, 0.3379,
0.3561

■ 23.2856, 0.3219,
0.3392

Harmonies

Analogous

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



13.3463, 0.5191, 0.3801



13.3463, 0.4794, 0.4534



13.3463, 0.3992, 0.5152

Triad

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



13.3463, 0.4794, 0.4534



13.3463, 0.1585, 0.3095



13.3463, 0.2918, 0.2018

Complementary

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



13.3463, 0.4794, 0.4534



3.6648, 0.1661, 0.1132

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.



13.3463, 0.2062, 0.1792



13.3463, 0.4794, 0.4534



13.3463, 0.1410, 0.2241

Square

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



13.3463, 0.4794, 0.4534



13.3463, 0.2146, 0.4317



13.3463, 0.1570, 0.1845



13.3463, 0.4017, 0.2481

Rectangle

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



13.3463, 0.4794, 0.4534



13.3463, 0.3357, 0.5282



13.3463, 0.1570, 0.1845



13.3463, 0.2594, 0.1914

Sweetspot

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



13.3470, 0.4794, 0.4534



35.9284, 0.3614, 0.3796



5.4602, 0.5518, 0.2857



8.1256, 0.3683, 0.3862



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.3470, 0.4794, 0.4534



23.0899, 0.4862, 0.4522



20.7302, 0.3881, 0.5269



5.1875, 0.3264, 0.3440



12.0643, 0.4841, 0.4538



0.0548, 0.4491, 0.4816

Inverse Universe

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



3.6648, 0.1661, 0.1132



5.7866, 0.1617, 0.1022



2.1193, 0.1637, 0.0704



4.7612, 0.2992, 0.3136



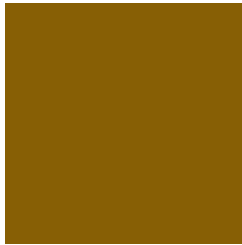
3.1331, 0.1629, 0.1065



0.0226, 0.1851, 0.1862

Previews

White Background



This preview shows how the Yxy color 13.3463, 0.4794, 0.4534 looks on a white background.

Color Contrast Check

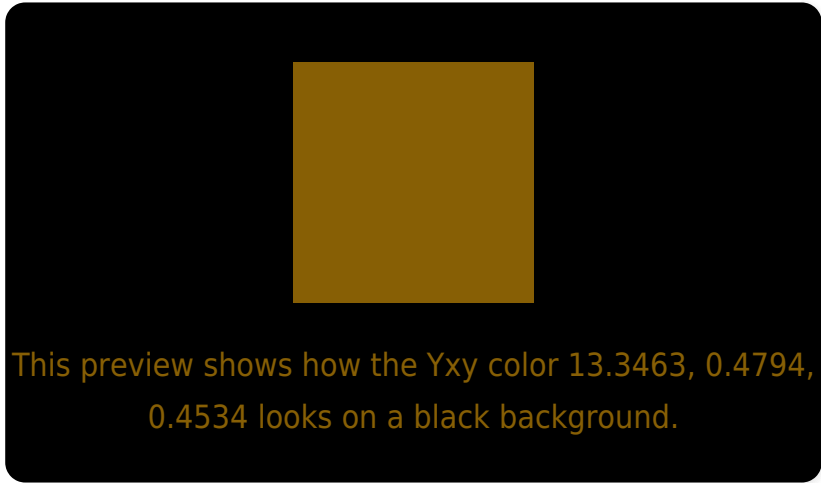
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3463, 0.4794, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 13.3463, 0.4794, 0.4534.



This preview shows how white text looks on a background with the Yxy color 13.3463, 0.4794, 0.4534.

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

13.3463, 0.4794, 0.4534

Protanopia

13.4354, 0.4358, 0.4835

Deuteranopia

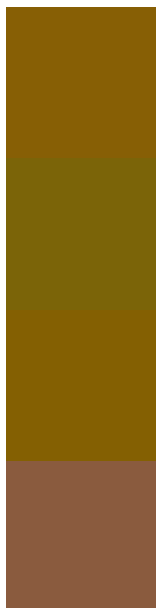
13.2952, 0.4708, 0.4644



Tritanopia

13.2946, 0.3854, 0.3163

Trichromacy



Original Color

13.3463, 0.4794, 0.4534

Protanomaly

13.3428, 0.4521, 0.4724

Deuteranomaly

13.2757, 0.4747, 0.4596

Tritanomaly

13.2332, 0.4357, 0.3820

Monochromacy



Original Color

13.3463, 0.4794, 0.4534

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.1154, 0.3843, 0.3991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3463, 0.4794, 0.4534 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(135, 95, 5)` looks like.

```
.text, #text, p{  
    color:rgb(135, 95, 5)  
}
```

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(135, 95, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 95, 5) }
```

Border

The CSS property to change the border of an element to Yxy 13.3463, 0.4794, 0.4534 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(135, 95, 5) }
```

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

```
.border{ border-color:rgb(135, 95, 5) }
```

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

Here you see how a box with a 4 pixel rgb(135, 95, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 95, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 95, 5);  
box-shadow:4px 4px 4px 4px rgb(135, 95, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.3463, 0.4794, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 95, 5) }
```

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

```
.background{ background-color: rgb(135, 95,  
5) }
```

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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