

Converting Colors

$Y_{xy}(13.2196, 0.5766, 0.4228)$

Have a look what the booklet for
Yxy(13.2196, 0.5766, 0.4228)
contains.

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Color

Yxy(13.4147, 0.5500, 0.4015)

Conversions

Conversions Part 1

Format	Color
Hex	A64D00
RGB	166, 77, 0
RGB Percent	65%, 30%, 0%
CMY	0.3491, 0.6980, 1.0000
CMYK	0.00, 0.54, 1.00, 0.35
HSL	28°, 100%, 33%
HSV	28°, 100%, 65%
XYZ	18.3763, 13.4147, 1.6205
YIQ	94.8330, 77.7610, -5.0790

Conversions

Conversions Part 2

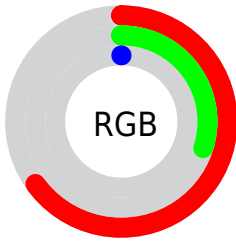
Format	Color
RYB	166, 144, 0
Decimal	10898688
CIELab	43.38, 33.16, 53.19
CIELCh	43, 62.679, 58.055
Yxy	13.4147, 0.5500, 0.4015
Android (android.graphics.Color)	4289088768 (0xFFA64D00)
YUV	94.8330, -46.7527, 62.4135
Hunter-Lab	36.6261, 25.4627, 23.0151

Details

The Yxy color **13.4147, 0.5500, 0.4015** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.8896, 0.1809, 0.1712**, and the grayscale version is **11.5032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0646, 0.5008, 0.4001**, and **3.9563, 0.5967, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **13.4155, 0.5500, 0.4015**, and if you desaturate by 10%, it is **14.7863, 0.5275, 0.4075**.

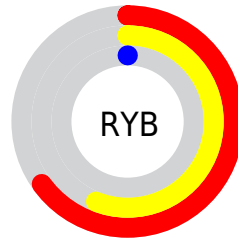
Distribution



Red (65%)

Green (30%)

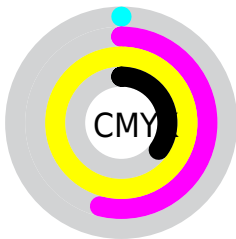
Blue (0%)



Red (65%)

Yellow (56%)

Blue (0%)

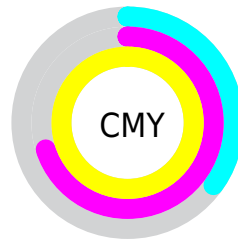


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4147, 0.5500, 0.4015 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 13.4147, 0.5500, 0.4015 by changing the saturation by 10% instead.


 13.4147, 0.5500,
0.4015

 13.4147, 0.5500,
0.4015


 213.5586, 0.4171,
0.3775


 7.7147, 0.5854,
0.3989


 32.0468, 0.5011,
0.3995

 3.9130, 0.6188,
0.3812


 45.7478, 0.4825,
0.3963

 1.6250, 0.6563,
0.3437


 62.8845, 0.4669,
0.3928

 0.3744, 0.7635,
0.2365

 83.8414, 0.4538,
0.3893

 0.0000, 1.0000,
0.0000


 109.0028, 0.4425,
0.3860


 0.0000, 0.0000,
0.0000


 138.7533, 0.4329,

0.3830

 173.4771, 0.4245,
0.3801


 13.4147, 0.5500,
0.4015


 13.4147, 0.5500,
0.4015


 13.4155, 0.5500,
0.4015

 14.7863, 0.5275,
0.4075

 16.3663, 0.5019,
0.4092

 18.1752, 0.4738,
0.4059

 20.2247, 0.4450,
0.3987

 22.5255, 0.4172,
0.3886

■ 25.0874, 0.3913,
0.3770

■ 27.9195, 0.3678,
0.3647

■ 31.0304, 0.3469,
0.3523

■ 34.4284, 0.3287,
0.3403

Harmonies

Analogous

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



13.4147, 0.5510, 0.3223



13.4147, 0.5500, 0.4015



13.4147, 0.4782, 0.4907

Triad

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



13.4147, 0.5500, 0.4015



13.4147, 0.1684, 0.4112



13.4147, 0.2093, 0.1588

Complementary

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



13.4147, 0.5500, 0.4015



9.8896, 0.1809, 0.1712

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.



13.4147, 0.1429, 0.1542



13.4147, 0.5500, 0.4015



13.4147, 0.1210, 0.2643

Square

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



13.4147, 0.5500, 0.4015



13.4147, 0.2612, 0.5528



13.4147, 0.1151, 0.1836



13.4147, 0.3220, 0.1923

Rectangle

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



13.4147, 0.5500, 0.4015



13.4147, 0.4100, 0.5466



13.4147, 0.1151, 0.1836



13.4147, 0.1822, 0.1540

Sweetspot

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



13.4155, 0.5500, 0.4015



50.3864, 0.3690, 0.3654



8.8649, 0.4733, 0.2381



10.7978, 0.3783, 0.3704



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.4155, 0.5500, 0.4015



23.9401, 0.5529, 0.3992



32.4488, 0.4282, 0.4982



8.0946, 0.3275, 0.3395



10.4979, 0.5485, 0.4027



0.3585, 0.4956, 0.4447

Inverse Universe

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



9.8896, 0.1809, 0.1712



17.5260, 0.1801, 0.1683



2.9325, 0.1510, 0.0635



7.9414, 0.2987, 0.3183



7.7654, 0.1813, 0.1727



0.2898, 0.1971, 0.2296

Previews

White Background



This preview shows how the Yxy color 13.4147, 0.5500, 0.4015 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 13.4147, 0.5500, 0.4015

Background



This preview shows how black text looks on a background with the Yxy color 13.4147, 0.5500, 0.4015.



This preview shows how white text looks on a background with the Yxy color 13.4147, 0.5500, 0.4015.

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

13.4147, 0.5500, 0.4015

Protanopia

13.6481, 0.4320, 0.4818

Deuteranopia

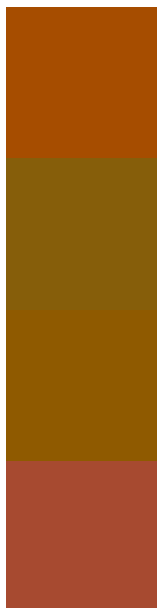
13.4812, 0.4690, 0.4658



Tritanopia

13.4814, 0.4747, 0.3237

Trichromacy



Original Color

13.4147, 0.5500, 0.4015

Protanomaly

13.0957, 0.4778, 0.4505

Deuteranomaly

13.1520, 0.5014, 0.4401

Tritanomaly

13.3264, 0.5167, 0.3639

Monochromacy



Original Color

13.4147, 0.5500, 0.4015

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.3706, 0.4148, 0.3869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4147, 0.5500, 0.4015 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(166, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 77, 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(166, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.4147, 0.5500, 0.4015 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(166, 77, 0) }
```

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

```
.border{ border-color:rgb(166, 77, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 77, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4147, 0.5500, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 77, 0) }
```

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

```
.background{ background-color: rgb(166, 77,  
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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