

Converting Colors

$Y_{xy}(13.9247, 0.4313, 0.4810)$

Have a look what the booklet for
Yxy(13.9247, 0.4313, 0.4810)
contains.

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Color

Yxy(13.9225, 0.4315, 0.4814)

Conversions

Conversions Part 1

Format	Color
Hex	756910
RGB	117, 105, 16
RGB Percent	46%, 41%, 6%
CMY	0.5412, 0.5882, 0.9373
CMYK	0.00, 0.10, 0.86, 0.54
HSL	53°, 76%, 26%
HSV	53°, 86%, 46%
XYZ	12.4793, 13.9225, 2.5190
YIQ	98.4420, 35.7210, -25.1350

Conversions

Conversions Part 2

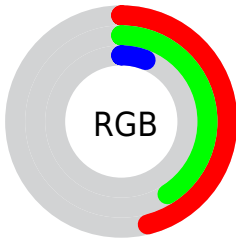
Format	Color
RYB	30, 117, 16
Decimal	7694608
CIELab	44.12, -5.02, 46.67
CIElCh	44, 46.938, 96.134
Yxy	13.9225, 0.4315, 0.4814
Android (android.graphics.Color)	4285884688 (0xFF756910)
YUV	98.4420, -40.6439, 16.2754
Hunter-Lab	37.3129, -5.5979, 22.1163

Details

The Yxy color **13.9225, 0.4315, 0.4814** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.2224, 0.1660, 0.0962**, and the grayscale version is **12.4265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9773, 0.4086, 0.4495**, and **4.1499, 0.4371, 0.4912** is the 20% darker color. If you saturate the color by 10%, you get **13.6150, 0.4384, 0.4864**, and if you desaturate by 10%, it is **14.2530, 0.4224, 0.4728**.

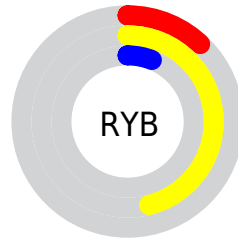
Distribution



Red (46%)

Green (41%)

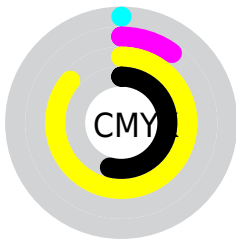
Blue (6%)



Red (12%)

Yellow (46%)

Blue (6%)

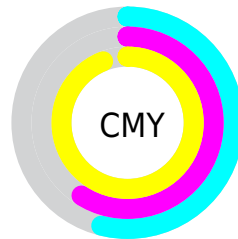


Cyan (0%)

Magenta (10%)

Yellow (86%)

Black (54%)



Cyan (54%)


Magenta (59%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9225, 0.4315, 0.4814 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 13.9225, 0.4315, 0.4814 by changing the saturation by 10% instead.


 13.9225, 0.4315,
0.4814


 13.9225, 0.4315,
0.4814

216.7482, 0.3673,
0.3955

 8.0668, 0.4449,
0.5022


 32.9515, 0.4087,
0.4493


 4.1377, 0.4653,
0.5347

 46.8935, 0.3997,
0.4372

 1.7509, 0.4579,
0.5421

 64.2997, 0.3921,
0.4272

 0.4563, 0.4055,
0.5945

 85.5546, 0.3856,
0.4188


 0.0000, 0.0000,
0.0000


 111.0425, 0.3800,
0.4116


 141.1478, 0.3752,

0.4055


 176.2549, 0.3710,
0.4002


 13.9225, 0.4315,
0.4814


 13.9225, 0.4315,
0.4814


 13.6150, 0.4384,
0.4864

 14.2530, 0.4224,
0.4728

 13.5041, 0.4409,
0.4882

 14.6091, 0.4110,
0.4603

 14.9939, 0.3977,
0.4444

 15.4094, 0.3831,
0.4259

 15.8573, 0.3676,
0.4056

■ 16.3393, 0.3520,
0.3844

■ 16.8570, 0.3366,
0.3630

■ 17.4117, 0.3217,
0.3419

■ 18.0048, 0.3077,
0.3217

Harmonies

Analogous

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



13.9225, 0.4908, 0.4177



13.9225, 0.4315, 0.4814



13.9225, 0.3464, 0.5115

Triad

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



13.9225, 0.4315, 0.4814



13.9225, 0.1554, 0.2627



13.9225, 0.3493, 0.2321

Complementary

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



13.9225, 0.4315, 0.4814



2.2224, 0.1660, 0.0962

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.



13.9225, 0.2546, 0.1975



13.9225, 0.4315, 0.4814



13.9225, 0.1564, 0.2068

Square

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



13.9225, 0.4315, 0.4814



13.9225, 0.1885, 0.3599



13.9225, 0.1890, 0.1877



13.9225, 0.4462, 0.2857

Rectangle

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



13.9225, 0.4315, 0.4814



13.9225, 0.2860, 0.4907



13.9225, 0.1890, 0.1877



13.9225, 0.3156, 0.2181

Sweetspot

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



13.9232, 0.4315, 0.4814



29.2387, 0.3525, 0.3851



4.2417, 0.5700, 0.3121



6.6682, 0.3567, 0.3908



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.9232, 0.4315, 0.4814



24.0622, 0.4415, 0.4877



14.4590, 0.3616, 0.5359



4.1958, 0.3257, 0.3476



14.8690, 0.4410, 0.4881



71.6376, 0.4423, 0.4870

Inverse Universe

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



2.2224, 0.1660, 0.0962



2.7370, 0.1528, 0.0701



2.4114, 0.2001, 0.0992



3.6534, 0.2995, 0.3097



1.7430, 0.1534, 0.0722



7.8054, 0.1520, 0.0670

Previews

White Background



This preview shows how the Yxy color 13.9225, 0.4315, 0.4814 looks on a white background.

Color Contrast Check

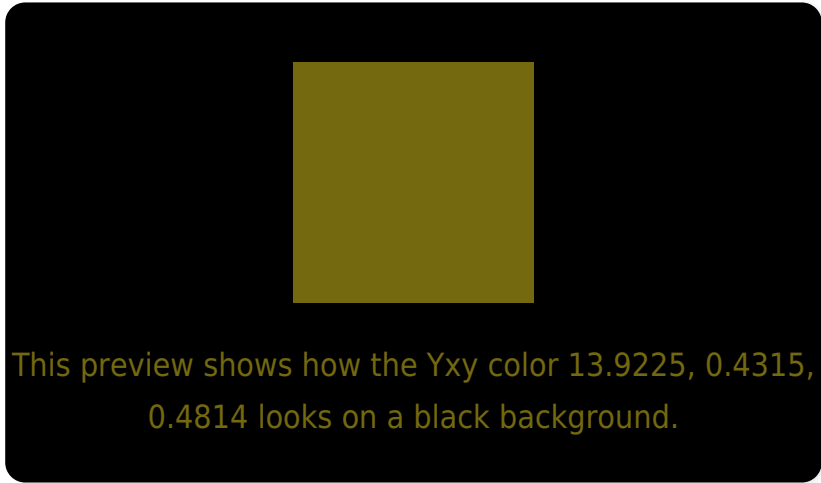
Large Text (above 18pt) WCAG AA ✓ Pass

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

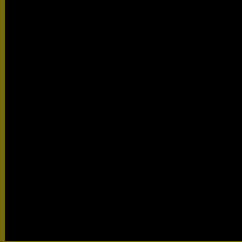
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9225, 0.4315, 0.4814

Background



This preview shows how black text looks on a background with the Yxy color 13.9225, 0.4315, 0.4814.



This preview shows how white text looks on a background with the Yxy color 13.9225, 0.4315, 0.4814.

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

13.9225, 0.4315, 0.4814

Protanopia

13.9921, 0.4330, 0.4803

Deuteranopia

13.8797, 0.4612, 0.4539



Tritanopia

13.9662, 0.3404, 0.3151

Trichromacy



Original Color

13.9225, 0.4315, 0.4814

Protanomaly

13.9921, 0.4330, 0.4803

Deuteranomaly

13.8664, 0.4512, 0.4627

Tritanomaly

13.8533, 0.3833, 0.3864

Monochromacy



Original Color

13.9225, 0.4315, 0.4814

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.7280, 0.3650, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9225, 0.4315, 0.4814 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(117, 105, 16)` looks like.

```
.text, #text, p{  
    color:rgb(117, 105, 16)  
}
```

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(117, 105, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 105, 16) }
```

Border

The CSS property to change the border of an element to Yxy 13.9225, 0.4315, 0.4814 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(117, 105, 16) }
```

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

```
.border{ border-color:rgb(117, 105, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 105, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 105, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 105, 16);  
box-shadow:4px 4px 4px 4px rgb(117, 105,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9225, 0.4315, 0.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 105, 16) }
```

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

```
.background{ background-color: rgb(117,  
105, 16) }
```

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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