

Converting Colors

$Y_{xy}(14.6410, 0.4335, 0.4748)$

Have a look what the booklet for
Yxy(14.6410, 0.4335, 0.4748)
contains.

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Color

Yxy(14.7071, 0.4333, 0.4749)

Conversions

Conversions Part 1

Format	Color
Hex	7A6B15
RGB	122, 107, 21
RGB Percent	48%, 42%, 8%
CMY	0.5216, 0.5804, 0.9175
CMYK	0.00, 0.12, 0.83, 0.52
HSL	51°, 71%, 28%
HSV	51°, 83%, 48%
XYZ	13.4188, 14.7071, 2.8429
YIQ	101.6810, 36.5460, -23.5660

Conversions

Conversions Part 2

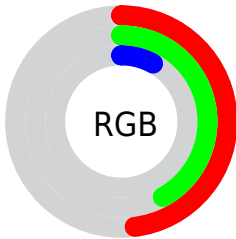
Format	Color
RYB	39, 122, 21
Decimal	8022805
CIELab	45.23, -3.57, 46.24
CIELCh	45, 46.374, 94.417
Yxy	14.7071, 0.4333, 0.4749
Android (android.graphics.Color)	4286212885 (0xFF7A6B15)
YUV	101.6810, -39.7757, 17.8198
Hunter-Lab	38.3498, -4.6542, 22.4496

Details

The Yxy color **14.7071, 0.4333, 0.4749** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.8287, 0.1713, 0.1088**, and the grayscale version is **13.2994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2819, 0.4094, 0.4446**, and **4.5338, 0.4438, 0.4858** is the 20% darker color. If you saturate the color by 10%, you get **14.2991, 0.4416, 0.4804**, and if you desaturate by 10%, it is **15.1464, 0.4224, 0.4653**.

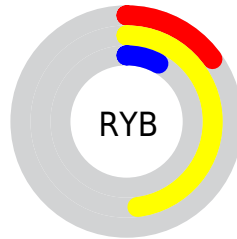
Distribution



Red (48%)

Green (42%)

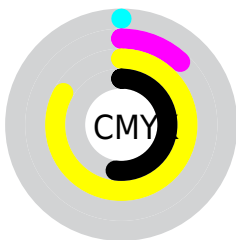
Blue (8%)



Red (15%)

Yellow (48%)

Blue (8%)

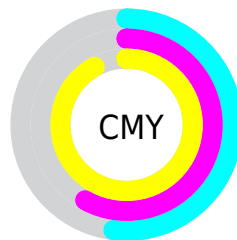


Cyan (0%)

Magenta (12%)

Yellow (83%)

Black (52%)



Cyan (52%)


Magenta (58%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7071, 0.4333, 0.4749 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 14.7071, 0.4333, 0.4749 by changing the saturation by 10% instead.


 14.7071, 0.4333,
0.4749


 14.7071, 0.4333,
0.4749


221.5865, 0.3679,
0.3935


 8.6141, 0.4474,
0.4943


 34.3385, 0.4098,
0.4446


 4.4903, 0.4721,
0.5279

 48.6457, 0.4007,
0.4333


 1.9515, 0.4672,
0.5328

 66.4598, 0.3930,
0.4238

 0.5790, 0.4444,
0.5556

 88.1650, 0.3864,
0.4157


 0.0000, 0.0000,
0.0000


 114.1460, 0.3808,
0.4089


 144.7869, 0.3759,

0.4031


 180.4723, 0.3716,
0.3980

 14.7071, 0.4333,
0.4749

 14.7071, 0.4333,
0.4749

 14.2991, 0.4416,
0.4804


 15.1464, 0.4224,
0.4653

 14.0136, 0.4470,
0.4832

 15.6178, 0.4094,
0.4518

 16.1244, 0.3947,
0.4353

 16.6685, 0.3790,
0.4164

 17.2520, 0.3629,
0.3962

■ 17.8766, 0.3469,
0.3754

■ 18.5441, 0.3314,
0.3546

■ 19.2560, 0.3166,
0.3344

■ 20.0137, 0.3028,
0.3151

Harmonies

Analogous

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



14.7071, 0.4884, 0.4127



14.7071, 0.4333, 0.4749



14.7071, 0.3513, 0.5059

Triad

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



14.7071, 0.4333, 0.4749



14.7071, 0.1601, 0.2694



14.7071, 0.3428, 0.2320

Complementary

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



14.7071, 0.4333, 0.4749



2.8287, 0.1713, 0.1088

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.



14.7071, 0.2517, 0.1994



14.7071, 0.4333, 0.4749



14.7071, 0.1591, 0.2121

Square

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



14.7071, 0.4333, 0.4749



14.7071, 0.1949, 0.3654



14.7071, 0.1893, 0.1913



14.7071, 0.4377, 0.2837

Rectangle

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



14.7071, 0.4333, 0.4749



14.7071, 0.2923, 0.4884



14.7071, 0.1893, 0.1913



14.7071, 0.3102, 0.2186

Sweetspot

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



14.7078, 0.4333, 0.4749



31.1326, 0.3514, 0.3813



4.8036, 0.5531, 0.3084



7.0477, 0.3559, 0.3872



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.



14.7078, 0.4333, 0.4749



24.5715, 0.4471, 0.4824



15.9819, 0.3641, 0.5293



4.5374, 0.3258, 0.3471



14.7463, 0.4471, 0.4832



69.3629, 0.4488, 0.4819

Inverse Universe

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



2.8287, 0.1713, 0.1088



3.1699, 0.1544, 0.0748



2.7946, 0.2021, 0.1039



3.9808, 0.2994, 0.3102



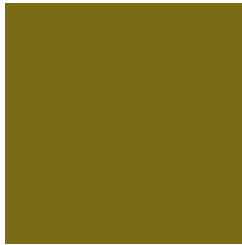
1.9301, 0.1545, 0.0760



8.4103, 0.1528, 0.0702

Previews

White Background



This preview shows how the Yxy color 14.7071, 0.4333, 0.4749 looks on a white background.

Color Contrast Check

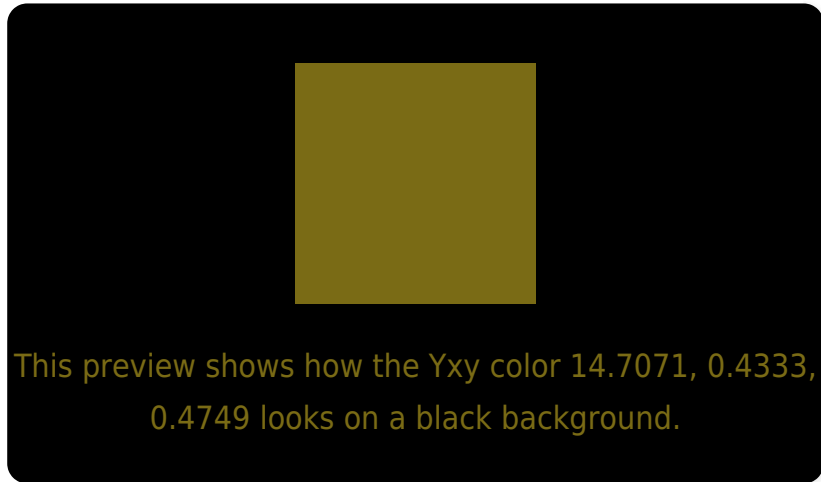
Large Text (above 18pt) WCAG AA ✓ Pass

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

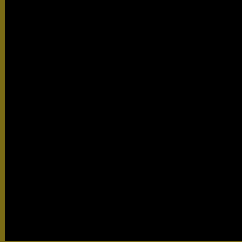
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7071, 0.4333, 0.4749

Background



This preview shows how black text looks on a background with the Yxy color 14.7071, 0.4333, 0.4749.



This preview shows how white text looks on a background with the Yxy color 14.7071, 0.4333, 0.4749.

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

14.7071, 0.4333, 0.4749

Protanopia

14.6345, 0.4319, 0.4760

Deuteranopia

14.7196, 0.4580, 0.4523



Tritanopia

14.7651, 0.3444, 0.3156

Trichromacy



Original Color

14.7071, 0.4333, 0.4749

Protanomaly

14.6345, 0.4319, 0.4760

Deuteranomaly

14.7083, 0.4484, 0.4609

Tritanomaly

14.6579, 0.3853, 0.3827

Monochromacy



Original Color

14.7071, 0.4333, 0.4749

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.6329, 0.3625, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7071, 0.4333, 0.4749 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, 107, 21)` looks like.

```
.text, #text, p{  
    color:rgb(122, 107, 21)  
}
```

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, 107, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 107, 21) }
```

Border

The CSS property to change the border of an element to Yxy 14.7071, 0.4333, 0.4749 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, 107, 21) }
```

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

```
.border{ border-color:rgb(122, 107, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 107, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 107, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 107, 21);  
box-shadow:4px 4px 4px 4px rgb(122, 107,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7071, 0.4333, 0.4749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 107, 21) }
```

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

```
.background{ background-color: rgb(122,  
107, 21) }
```

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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