

Converting Colors

$Y_{xy}(12.8619, 0.4179, 0.4630)$

Have a look what the booklet for
Yxy(12.8619, 0.4179, 0.4630)
contains.

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Color

Yxy(12.8619, 0.4179, 0.4630)

Conversions

Conversions Part 1

Format	Color
Hex	706521
RGB	112, 101, 33
RGB Percent	44%, 40%, 13%
CMY	0.5608, 0.6039, 0.8706
CMYK	0.00, 0.10, 0.71, 0.56
HSL	52°, 54%, 28%
HSV	52°, 71%, 44%
XYZ	11.6090, 12.8619, 3.3085
YIQ	96.5370, 28.3840, -18.8160

Conversions

Conversions Part 2

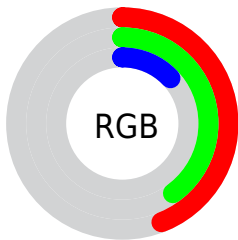
Format	Color
RYB	46, 112, 33
Decimal	7365921
CIELab	42.55, -4.31, 38.55
CIELCh	43, 38.786, 96.382
Yxy	12.8619, 0.4179, 0.4630
Android (android.graphics.Color)	4285556001 (0xFF706521)
YUV	96.5370, -31.3237, 13.5611
Hunter-Lab	35.8635, -4.9805, 19.6347

Details

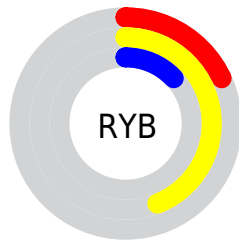
The Yxy color **12.8619, 0.4179, 0.4630** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.2918, 0.1896, 0.1403**, and the grayscale version is **11.9073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1727, 0.3947, 0.4321**, and **3.7565, 0.4378, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **12.5104, 0.4290, 0.4738**, and if you desaturate by 10%, it is **13.2412, 0.4047, 0.4486**.

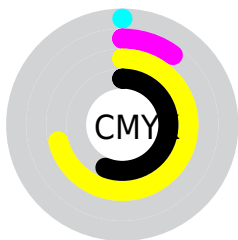
Distribution



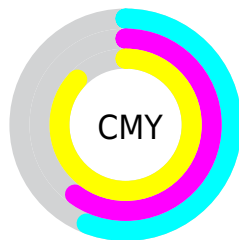
- Red (44%)
- Green (40%)
- Blue (13%)



- Red (18%)
- Yellow (44%)
- Blue (13%)



- Cyan (0%)
- Magenta (10%)
- Yellow (71%)
- Black (56%)





- Cyan (56%)
- Magenta (60%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8619, 0.4179, 0.4630 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 12.8619, 0.4179, 0.4630 by changing the saturation by 10% instead.


 12.8619, 0.4179,
0.4630


 12.8619, 0.4179,
0.4630


 210.0307, 0.3584,
0.3848


 7.3335, 0.4326,
0.4845


 31.0555, 0.3954,
0.4323


 3.6715, 0.4660,
0.5305

 44.4894, 0.3870,
0.4213

 1.4916, 0.4606,
0.5394

 61.3274, 0.3801,
0.4124

 0.2828, 0.3664,
0.6336

 81.9537, 0.3743,
0.4049


 0.0000, 0.0000,
0.0000


 106.7528, 0.3694,
0.3987


 136.1091, 0.3652,


0.3933


 170.4069, 0.3616,
0.3888


 12.8619, 0.4179,
0.4630

 12.8619, 0.4179,
0.4630


 12.5104, 0.4290,
0.4738


 13.2412, 0.4047,
0.4486


 12.1828, 0.4377,
0.4806

 13.6485, 0.3901,
0.4314

 11.8870, 0.4448,
0.4850

 14.0859, 0.3746,
0.4121

 14.5552, 0.3587,
0.3917

 15.0576, 0.3430,
0.3708

■ 15.5945, 0.3279,
0.3501

■ 16.1672, 0.3135,
0.3301

■ 16.7767, 0.3000,
0.3110

■ 17.4243, 0.2876,
0.2930

Harmonies

Analogous

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



12.8619, 0.4673, 0.4110



12.8619, 0.4179, 0.4630



12.8619, 0.3443, 0.4826

Triad

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



12.8619, 0.4179, 0.4630



12.8619, 0.1750, 0.2736



12.8619, 0.3455, 0.2449

Complementary

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



12.8619, 0.4179, 0.4630



3.2918, 0.1896, 0.1403

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.



12.8619, 0.2639, 0.2137



12.8619, 0.4179, 0.4630



12.8619, 0.1755, 0.2234

Square

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



12.8619, 0.4179, 0.4630



12.8619, 0.2056, 0.3556



12.8619, 0.2052, 0.2052



12.8619, 0.4268, 0.2932

Rectangle

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



12.8619, 0.4179, 0.4630



12.8619, 0.2916, 0.4626



12.8619, 0.2052, 0.2052



12.8619, 0.3168, 0.2322

Sweetspot

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



12.8625, 0.4179, 0.4630



26.3668, 0.3446, 0.3729



4.7192, 0.5001, 0.3067



6.2892, 0.3479, 0.3773



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.8625, 0.4179, 0.4630



21.5933, 0.4351, 0.4788



13.5960, 0.3626, 0.5055



3.8411, 0.3256, 0.3470



13.7209, 0.4450, 0.4848



67.4106, 0.4467, 0.4835

Inverse Universe

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



3.2918, 0.1896, 0.1403



3.6729, 0.1665, 0.0988



3.2373, 0.2212, 0.1334



3.3684, 0.2996, 0.3104



1.7428, 0.1542, 0.0752



7.9030, 0.1526, 0.0692

Previews

White Background



This preview shows how the Yxy color 12.8619, 0.4179, 0.4630 looks on a white background.

Color Contrast Check

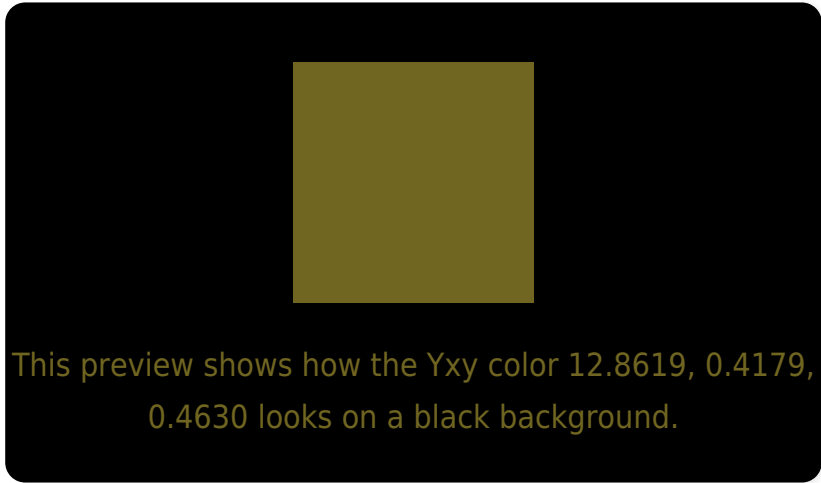
Large Text (above 18pt) WCAG AA ✓ Pass

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

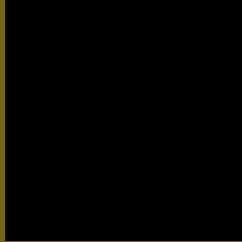
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8619, 0.4179, 0.4630

Background



This preview shows how black text looks on a background with the Yxy color 12.8619, 0.4179, 0.4630.



This preview shows how white text looks on a background with the Yxy color 12.8619, 0.4179, 0.4630.

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

12.8619, 0.4179, 0.4630

Protanopia

12.9279, 0.4195, 0.4620

Deuteranopia

12.9227, 0.4451, 0.4394



Tritanopia

12.8163, 0.3383, 0.3126

Trichromacy



Original Color

12.8619, 0.4179, 0.4630

Protanomaly

12.9279, 0.4195, 0.4620

Deuteranomaly

12.9158, 0.4354, 0.4484

Tritanomaly

12.7982, 0.3722, 0.3717

Monochromacy



Original Color

12.8619, 0.4179, 0.4630

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0546, 0.3534, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8619, 0.4179, 0.4630 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(112, 101, 33)` looks like.

```
.text, #text, p{  
    color:rgb(112, 101, 33)  
}
```

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(112, 101, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 101, 33) }
```

Border

The CSS property to change the border of an element to Yxy 12.8619, 0.4179, 0.4630 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(112, 101, 33) }
```

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

```
.border{ border-color:rgb(112, 101, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 101, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 101, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 101, 33);  
box-shadow:4px 4px 4px 4px rgb(112, 101,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8619, 0.4179, 0.4630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 101, 33) }
```

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

```
.background{ background-color: rgb(112,  
101, 33) }
```

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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