

Converting Colors

$Y_{xy}(14.1693, 0.4129, 0.4378)$

Have a look what the booklet for
Yxy(14.1693, 0.4129, 0.4378)
contains.

Yxy(14.1790, 0.4129, 0.4379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.1790, 0.4129, 0.4379)

Conversions

Conversions Part 1

Format	Color
Hex	796830
RGB	121, 104, 48
RGB Percent	47%, 41%, 19%
CMY	0.5255, 0.5921, 0.8117
CMYK	0.00, 0.14, 0.60, 0.53
HSL	46°, 43%, 33%
HSV	46°, 60%, 47%
XYZ	13.3695, 14.1790, 4.8310
YIQ	102.6990, 28.1080, -13.8120

Conversions

Conversions Part 2

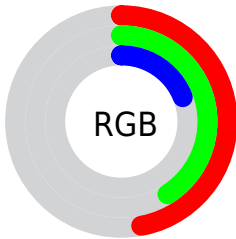
Format	Color
R_{YB}	70, 121, 48
Decimal	7956528
CIE Lab	44.49, -0.69, 33.49
CIE LCh	44, 33.494, 91.186
Yxy	14.1790, 0.4129, 0.4379
Android (android.graphics.Color)	4286146608 (0xFF796830)
YUV	102.6990, -26.9666, 16.0500
Hunter-Lab	37.6550, -2.5194, 18.7518

Details

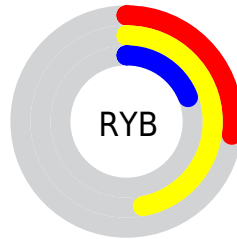
The Yxy color **14.1790, 0.4129, 0.4379** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.7929, 0.2102, 0.1856**, and the grayscale version is **13.5478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4012, 0.3902, 0.4136**, and **4.2283, 0.4521, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **13.5350, 0.4290, 0.4511**, and if you desaturate by 10%, it is **14.8706, 0.3956, 0.4220**.

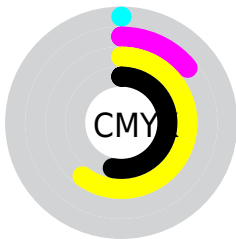
Distribution



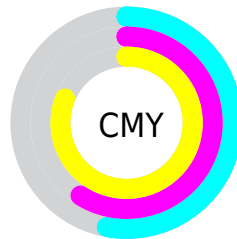
- Red (47%)
- Green (41%)
- Blue (19%)



- Red (27%)
- Yellow (47%)
- Blue (19%)



- Cyan (0%)
- Magenta (14%)
- Yellow (60%)
- Black (53%)





- Cyan (53%)
- Magenta (59%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1790, 0.4129, 0.4379 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 14.1790, 0.4129, 0.4379 by changing the saturation by 10% instead.


 14.1790, 0.4129,
0.4379


 14.1790, 0.4129,
0.4379


 218.3416, 0.3553,
0.3750


 8.2453, 0.4289,
0.4556


 33.4063, 0.3904,
0.4132

 4.2523, 0.4509,
0.4801

 47.4687, 0.3823,
0.4044


 1.8157, 0.4833,
0.5167

 65.0093, 0.3757,
0.3972

 0.4969, 0.4782,
0.5218

 86.4128, 0.3702,
0.3912

 0.0000, 0.0000,
0.0000

 112.0633, 0.3656,
0.3862

 142.3453, 0.3617,

0.3819

177.6433, 0.3582,
0.3782

■ 14.1790, 0.4129,
0.4379

■ 14.1790, 0.4129,
0.4379

■ 13.5350, 0.4290,
0.4511

■ 14.8706, 0.3956,
0.4220

■ 12.9340, 0.4434,
0.4606

■ 15.6100, 0.3780,
0.4042

■ 12.3741, 0.4553,
0.4660

■ 16.3999, 0.3606,
0.3854

■ 11.8613, 0.4655,
0.4686

■ 17.2420, 0.3437,
0.3663

■ 18.1382, 0.3279,
0.3476

■ 19.0901, 0.3132,
0.3295

■ 20.0992, 0.2996,
0.3124

■ 21.1670, 0.2873,
0.2964

■ 22.2948, 0.2761,
0.2816

Harmonies

Analogous

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



14.1790, 0.4477, 0.3934



14.1790, 0.4129, 0.4379



14.1790, 0.3533, 0.4569

Triad

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



14.1790, 0.4129, 0.4379



14.1790, 0.1973, 0.2943



14.1790, 0.3284, 0.2509

Complementary

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



14.1790, 0.4129, 0.4379



5.7929, 0.2102, 0.1856

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.



14.1790, 0.2616, 0.2268



14.1790, 0.4129, 0.4379



14.1790, 0.1925, 0.2454

Square

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



14.1790, 0.4129, 0.4379



14.1790, 0.2297, 0.3650



14.1790, 0.2144, 0.2238



14.1790, 0.3978, 0.2913

Rectangle

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



14.1790, 0.4129, 0.4379



14.1790, 0.3082, 0.4450



14.1790, 0.2144, 0.2238



14.1790, 0.3047, 0.2408

Sweetspot

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



14.1797, 0.4129, 0.4379



31.1665, 0.3407, 0.3628



6.5633, 0.4456, 0.2954



7.0405, 0.3446, 0.3674



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.



14.1797, 0.4129, 0.4379



23.8530, 0.4343, 0.4549



16.6866, 0.3675, 0.4791



4.4832, 0.3260, 0.3453



12.6935, 0.4657, 0.4684



59.2050, 0.4686, 0.4661

Inverse Universe

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



5.7929, 0.2102, 0.1856



7.4926, 0.1883, 0.1489



4.7070, 0.2271, 0.1559



4.0312, 0.2994, 0.3121



2.3633, 0.1585, 0.0905



10.1648, 0.1563, 0.0828

Previews

White Background



This preview shows how the Yxy color 14.1790, 0.4129, 0.4379 looks on a white background.

Color Contrast Check

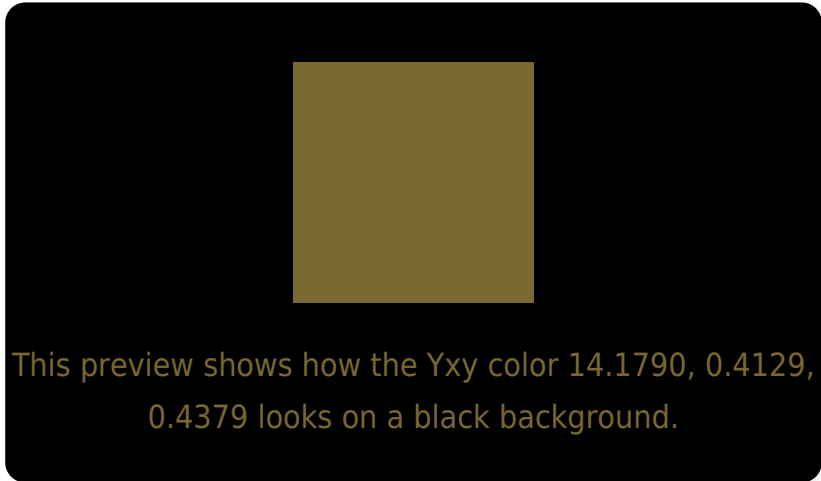
Large Text (above 18pt) WCAG AA ✓ Pass

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

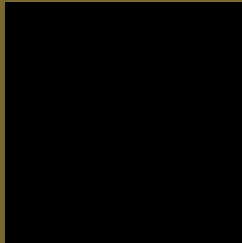
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.1790, 0.4129, 0.4379

Background



This preview shows how black text looks on a background with the Yxy color 14.1790, 0.4129, 0.4379.



This preview shows how white text looks on a background with the Yxy color 14.1790, 0.4129, 0.4379.

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

14.1790, 0.4129, 0.4379

Protanopia

14.0985, 0.4056, 0.4426

Deuteranopia

14.0819, 0.4304, 0.4233



Tritanopia

14.1909, 0.3449, 0.3154

Trichromacy



Original Color

14.1790, 0.4129, 0.4379

Protanomaly

14.1681, 0.4072, 0.4418

Deuteranomaly

14.0411, 0.4246, 0.4270

Tritanomaly

14.0395, 0.3725, 0.3614

Monochromacy



Original Color

14.1790, 0.4129, 0.4379

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.6400, 0.3507, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1790, 0.4129, 0.4379 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(121, 104, 48)` looks like.

```
.text, #text, p{  
    color:rgb(121, 104, 48)  
}
```

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(121, 104, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 104, 48) }
```

Border

The CSS property to change the border of an element to Yxy 14.1790, 0.4129, 0.4379 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(121, 104, 48) }
```

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

```
.border{ border-color:rgb(121, 104, 48) }
```

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

Here you see how a box with a 4 pixel rgb(121, 104, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 104, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 104, 48);  
box-shadow:4px 4px 4px 4px rgb(121, 104,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 14.1790, 0.4129, 0.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 104, 48) }
```

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

```
.background{ background-color: rgb(121,  
104, 48) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor