

Converting Colors

$Y_{xy}(14.2574, 0.4223, 0.5272)$

Have a look what the booklet for
Yxy(14.2574, 0.4223, 0.5272)
contains.

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Color

Yxy(14.2160, 0.4133, 0.5100)

Conversions

Conversions Part 1

Format	Color
Hex	6A6E00
RGB	106, 110, 0
RGB Percent	42%, 43%, 0%
CMY	0.5843, 0.5686, 0.9998
CMYK	0.04, 0.00, 1.00, 0.57
HSL	62°, 100%, 22%
HSV	62°, 100%, 43%
XYZ	11.5205, 14.2160, 2.1380
YIQ	96.2640, 32.9260, -35.0580

Conversions

Conversions Part 2

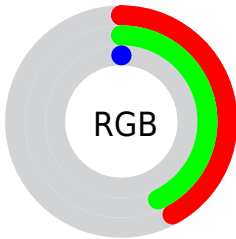
Format	Color
RYB	0, 110, 4
Decimal	6974976
CIELab	44.54, -13.51, 50.42
CIELCh	45, 52.202, 104.995
Yxy	14.2160, 0.4133, 0.5100
Android (android.graphics.Color)	4285165056 (0xFF6A6E00)
YUV	96.2640, -47.4582, 8.5385
Hunter-Lab	37.7041, -11.4413, 23.0309

Details

The Yxy color **14.2160, 0.4133, 0.5100** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1529, 0.1521, 0.0612**, and the grayscale version is **11.8784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3002, 0.3970, 0.4707**, and **4.3672, 0.3998, 0.5207** is the 20% darker color. If you saturate the color by 10%, you get **14.2164, 0.4133, 0.5100**, and if you desaturate by 10%, it is **14.2654, 0.4101, 0.5031**.

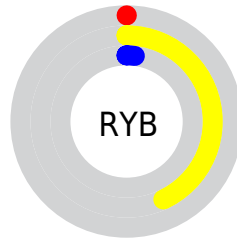
Distribution



Red (42%)

Green (43%)

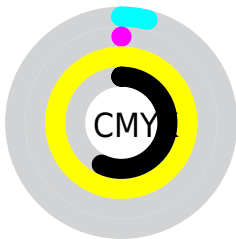
Blue (0%)



Red (0%)

Yellow (43%)

Blue (2%)

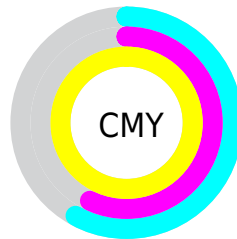


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (58%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2160, 0.4133, 0.5100 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 14.2160, 0.4133, 0.5100 by changing the saturation by 10% instead.


 14.2160, 0.4133,
0.5100


 14.2160, 0.4133,
0.5100


218.5705, 0.3625,
0.4062


 8.2711, 0.4214,
0.5372


 33.4718, 0.3971,
0.4706


 4.2689, 0.4275,
0.5725

 47.5514, 0.3900,
0.4560


 1.8251, 0.4072,
0.5928

 65.1114, 0.3837,
0.4439

 0.5027, 0.2276,
0.7724

 86.5362, 0.3783,
0.4338


 0.0000, 0.0000,
0.0000


 112.2100, 0.3735,
0.4253


 142.5175, 0.3694,

0.4180


 177.8428, 0.3657,
0.4117

 14.2160, 0.4133,
0.5100


 14.2160, 0.4133,
0.5100


 14.2164, 0.4133,
0.5100

 14.2654, 0.4101,
0.5031

 14.3239, 0.4057,
0.4941

 14.4006, 0.3989,
0.4811

 14.4976, 0.3899,
0.4645

 14.6167, 0.3790,
0.4449

■ 14.7595, 0.3667,
0.4230

■ 14.9273, 0.3535,
0.3997

■ 15.1215, 0.3398,
0.3758

■ 15.3434, 0.3261,
0.3520

Harmonies

Analogous

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



14.2160, 0.4901, 0.4432



14.2160, 0.4133, 0.5100



14.2160, 0.3173, 0.5276

Triad

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



14.2160, 0.4133, 0.5100



14.2160, 0.1398, 0.2325



14.2160, 0.3860, 0.2390

Complementary

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



14.2160, 0.4133, 0.5100



1.1529, 0.1521, 0.0612

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.



14.2160, 0.2764, 0.1955



14.2160, 0.4133, 0.5100



14.2160, 0.1511, 0.1865

Square

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



14.2160, 0.4133, 0.5100



14.2160, 0.1627, 0.3260



14.2160, 0.1955, 0.1768



14.2160, 0.4844, 0.3000

Rectangle

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



14.2160, 0.4133, 0.5100



14.2160, 0.2537, 0.4865



14.2160, 0.1955, 0.1768



14.2160, 0.3480, 0.2221

Sweetspot

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



14.2167, 0.4133, 0.5100



26.1884, 0.3546, 0.4017



3.3958, 0.6355, 0.3335



6.0719, 0.3588, 0.4091



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



14.2167, 0.4133, 0.5100



24.9552, 0.4131, 0.5102



11.8653, 0.3354, 0.5718



3.9104, 0.3248, 0.3498



17.0754, 0.4133, 0.5101



84.9760, 0.4129, 0.5104

Inverse Universe

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



1.1529, 0.1521, 0.0612



2.0106, 0.1515, 0.0608



2.0472, 0.2134, 0.0950



3.3057, 0.3001, 0.3073



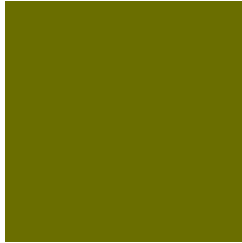
1.3805, 0.1519, 0.0610



6.7950, 0.1508, 0.0604

Previews

White Background



This preview shows how the Yxy color 14.2160, 0.4133, 0.5100 looks on a white background.

Color Contrast Check

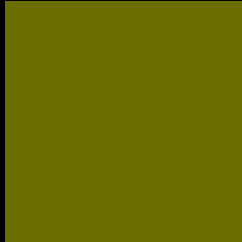
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 14.2160, 0.4133, 0.5100 looks on a 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 14.2160, 0.4133, 0.5100

Background



This preview shows how black text looks on a background with the Yxy color 14.2160, 0.4133, 0.5100.

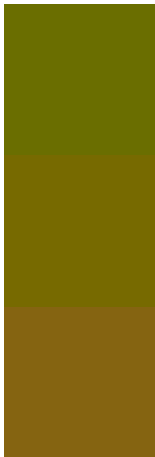


This preview shows how white text looks on a background with the Yxy color 14.2160, 0.4133, 0.5100.

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

14.2160, 0.4133, 0.5100

Protanopia

14.2300, 0.4391, 0.4896

Deuteranopia

14.1414, 0.4626, 0.4565



Tritanopia

14.2059, 0.3192, 0.3126

Trichromacy



Original Color

14.2160, 0.4133, 0.5100

Protanomaly

14.0928, 0.4300, 0.4968

Deuteranomaly

14.1357, 0.4443, 0.4765

Tritanomaly

13.9249, 0.3690, 0.4042

Monochromacy



Original Color

14.2160, 0.4133, 0.5100

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.3536, 0.3665, 0.4211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2160, 0.4133, 0.5100 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(106, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 110, 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(106, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.2160, 0.4133, 0.5100 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(106, 110, 0) }
```

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

```
.border{ border-color:rgb(106, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 110,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2160, 0.4133, 0.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 110, 0) }
```

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

```
.background{ background-color: rgb(106,  
110, 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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