

Converting Colors

$Y_{xy}(14.6461, 0.4180, 0.4934)$

Have a look what the booklet for
Yxy(14.6461, 0.4180, 0.4934)
contains.

Yxy(14.6971, 0.4185, 0.4932)	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(14.6971, 0.4185, 0.4932)

Conversions

Conversions Part 1

Format	Color
Hex	716E0F
RGB	113, 110, 15
RGB Percent	44%, 43%, 6%
CMY	0.5569, 0.5686, 0.9412
CMYK	0.00, 0.03, 0.87, 0.56
HSL	58°, 77%, 25%
HSV	58°, 87%, 44%
XYZ	12.4711, 14.6971, 2.6313
YIQ	100.0670, 32.2830, -28.9090

Conversions

Conversions Part 2

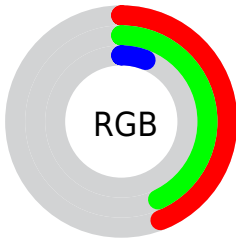
Format	Color
R_{YB}	18, 113, 15
Decimal	7433743
CIE Lab	45.22, -9.79, 47.72
CIE LCh	45, 48.717, 101.594
Yxy	14.6971, 0.4185, 0.4932
Android (android.graphics.Color)	4285623823 (0xFF716E0F)
YUV	100.0670, -41.9380, 11.3422
Hunter-Lab	38.3368, -9.0228, 22.7663

Details

The Yxy color **14.6971, 0.4185, 0.4932** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7255, 0.1624, 0.0826**, and the grayscale version is **12.8650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2442, 0.4002, 0.4574**, and **4.5791, 0.4169, 0.5072** is the 20% darker color. If you saturate the color by 10%, you get **14.5974, 0.4230, 0.4993**, and if you desaturate by 10%, it is **14.8135, 0.4120, 0.4839**.

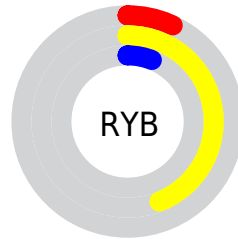
Distribution



Red (44%)

Green (43%)

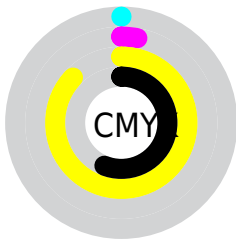
Blue (6%)



Red (7%)

Yellow (44%)

Blue (6%)

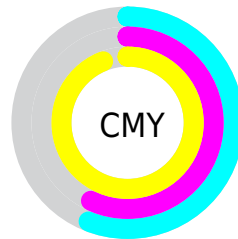


Cyan (0%)

Magenta (3%)

Yellow (87%)

Black (56%)



Cyan (56%)


Magenta (57%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6971, 0.4185, 0.4932 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 14.6971, 0.4185, 0.4932 by changing the saturation by 10% instead.


 14.6971, 0.4185,
0.4932


 14.6971, 0.4185,
0.4932


 221.5255, 0.3630,
0.3997


 8.6071, 0.4287,
0.5168


 34.3209, 0.3995,
0.4577


 4.4858, 0.4450,
0.5550

 48.6235, 0.3918,
0.4446


 1.9489, 0.4311,
0.5689

 66.4324, 0.3851,
0.4338

 0.5775, 0.3492,
0.6508


 88.1320, 0.3794,
0.4247

 0.0000, 0.0000,
0.0000

 114.1067, 0.3744,
0.4170


 144.7410, 0.3701,


0.4104


 180.4191, 0.3664,
0.4047


 14.6971, 0.4185,
0.4932


 14.6971, 0.4185,
0.4932


 14.5974, 0.4230,
0.4993

 14.8135, 0.4120,
0.4839

 14.5651, 0.4245,
0.5012

 14.9496, 0.4031,
0.4707

 15.1080, 0.3921,
0.4540

 15.2906, 0.3795,
0.4344

 15.4991, 0.3657,
0.4129

■ 15.7349, 0.3512,
0.3901

■ 15.9994, 0.3365,
0.3670

■ 16.2939, 0.3221,
0.3440

■ 16.6197, 0.3082,
0.3218

Harmonies

Analogous

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



14.6971, 0.4856, 0.4311



14.6971, 0.4185, 0.4932



14.6971, 0.3296, 0.5134

Triad

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



14.6971, 0.4185, 0.4932



14.6971, 0.1508, 0.2477



14.6971, 0.3690, 0.2392

Complementary

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



14.6971, 0.4185, 0.4932



1.7255, 0.1624, 0.0826

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.



14.6971, 0.2692, 0.2002



14.6971, 0.4185, 0.4932



14.6971, 0.1578, 0.1988

Square

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



14.6971, 0.4185, 0.4932



14.6971, 0.1775, 0.3398



14.6971, 0.1965, 0.1854



14.6971, 0.4633, 0.2960

Rectangle

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



14.6971, 0.4185, 0.4932



14.6971, 0.2690, 0.4817



14.6971, 0.1965, 0.1854



14.6971, 0.3341, 0.2238

Sweetspot

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



14.6978, 0.4185, 0.4932



28.1840, 0.3511, 0.3901



3.8961, 0.5934, 0.3261



6.4915, 0.3549, 0.3961



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.



14.6978, 0.4185, 0.4932



26.0521, 0.4246, 0.5011



13.0446, 0.3483, 0.5458



3.8997, 0.3254, 0.3492



16.5203, 0.4245, 0.5011



82.0554, 0.4248, 0.5009

Inverse Universe

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



1.7255, 0.1624, 0.0826



2.2326, 0.1507, 0.0625



2.5171, 0.2160, 0.1075



3.3152, 0.2996, 0.3080



1.4316, 0.1509, 0.0631



6.9004, 0.1504, 0.0613

Previews

White Background



This preview shows how the Yxy color 14.6971, 0.4185, 0.4932 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 14.6971, 0.4185, 0.4932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

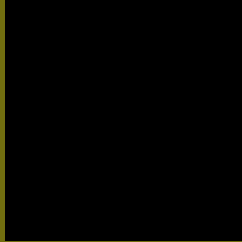
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6971, 0.4185, 0.4932

Background



This preview shows how black text looks on a background with the Yxy color 14.6971, 0.4185, 0.4932.



This preview shows how white text looks on a background with the Yxy color 14.6971, 0.4185, 0.4932.

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

14.6971, 0.4185, 0.4932

Protanopia

14.6120, 0.4353, 0.4811

Deuteranopia

14.7078, 0.4599, 0.4546



Tritanopia

14.6216, 0.3279, 0.3131

Trichromacy



Original Color

14.6971, 0.4185, 0.4932

Protanomaly

14.6084, 0.4293, 0.4857

Deuteranomaly

14.6622, 0.4448, 0.4685

Tritanomaly

14.3931, 0.3715, 0.3915

Monochromacy



Original Color

14.6971, 0.4185, 0.4932

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.3336, 0.3617, 0.4070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6971, 0.4185, 0.4932 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(113, 110, 15)` looks like.

```
.text, #text, p{  
    color:rgb(113, 110, 15)  
}
```

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(113, 110, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 110, 15) }
```

Border

The CSS property to change the border of an element to Yxy 14.6971, 0.4185, 0.4932 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(113, 110, 15) }
```

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

```
.border{ border-color:rgb(113, 110, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 110, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 110, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 110, 15);  
box-shadow:4px 4px 4px 4px rgb(113, 110,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6971, 0.4185, 0.4932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 110, 15) }
```

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

```
.background{ background-color: rgb(113,  
110, 15) }
```

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