

Converting Colors

$Y_{xy}(14.5312, 0.4528, 0.4685)$

Have a look what the booklet for
Yxy(14.5312, 0.4528, 0.4685)
contains.

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Color

Yxy(14.5968, 0.4522, 0.4689)

Conversions

Conversions Part 1

Format	Color
Hex	81680D
RGB	129, 104, 13
RGB Percent	51%, 41%, 5%
CMY	0.4941, 0.5922, 0.9490
CMYK	0.00, 0.19, 0.90, 0.49
HSL	47°, 82%, 28%
HSV	47°, 90%, 51%
XYZ	14.0769, 14.5968, 2.4561
YIQ	101.1010, 44.1110, -23.0010

Conversions

Conversions Part 2

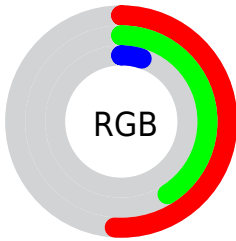
Format	Color
R_{YB}	45, 129, 13
Decimal	8480781
CIE _{Lab}	45.08, 1.28, 48.79
CIE _{LCh}	45, 48.811, 88.499
Yxy	14.5968, 0.4522, 0.4689
Android (android.graphics.Color)	4286670861 (0xFF81680D)
YUV	101.1010, -43.4338, 24.4674
Hunter-Lab	38.2058, -1.0917, 22.9324

Details

The Yxy color **14.5968, 0.4522, 0.4689** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0573, 0.1664, 0.1055**, and the grayscale version is **13.1478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1743, 0.4240, 0.4422**, and **4.4628, 0.4661, 0.4681** is the 20% darker color. If you saturate the color by 10%, you get **14.0180, 0.4618, 0.4715**, and if you desaturate by 10%, it is **15.2117, 0.4409, 0.4633**.

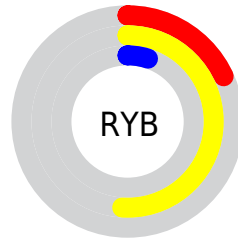
Distribution



Red (51%)

Green (41%)

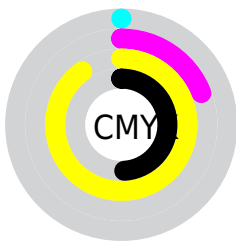
Blue (5%)



Red (18%)

Yellow (51%)

Blue (5%)

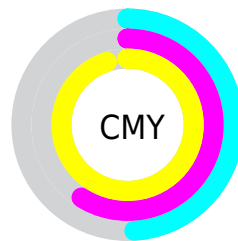


Cyan (0%)

Magenta (19%)

Yellow (90%)

Black (49%)



Cyan (49%)


Magenta (59%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5968, 0.4522, 0.4689 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 14.5968, 0.4522, 0.4689 by changing the saturation by 10% instead.


 14.5968, 0.4522,
0.4689


 14.5968, 0.4522,
0.4689

220.9126, 0.3763,
0.3936


 8.5369, 0.4688,
0.4848


 34.1443, 0.4250,
0.4422

 4.4404, 0.4927,
0.5073

 48.4007, 0.4144,
0.4317


 1.9228, 0.4944,
0.5056

 66.1580, 0.4054,
0.4228

 0.5620, 0.5015,
0.4985

 87.8006, 0.3978,
0.4152


 0.0000, 0.0000,
0.0000

 113.7130, 0.3912,
0.4086


 144.2796, 0.3856,


0.4029


 179.8846, 0.3807,
0.3980

 14.5968, 0.4522,
0.4689


 14.5968, 0.4522,
0.4689

 14.0180, 0.4618,
0.4715


 15.2117, 0.4409,
0.4633

 14.0136, 0.4618,
0.4715

 15.8705, 0.4271,
0.4535

 16.5771, 0.4114,
0.4400

 17.3344, 0.3945,
0.4237

 18.1450, 0.3772,
0.4055

■ 19.0111, 0.3599,
0.3862

■ 19.9349, 0.3432,
0.3667

■ 20.9183, 0.3274,
0.3474

■ 21.9632, 0.3126,
0.3289

Harmonies

Analogous

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



14.5968, 0.5027, 0.4008



14.5968, 0.4522, 0.4689



14.5968, 0.3698, 0.5137

Triad

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



14.5968, 0.4522, 0.4689



14.5968, 0.1575, 0.2825



14.5968, 0.3235, 0.2191

Complementary

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



14.5968, 0.4522, 0.4689



3.0573, 0.1664, 0.1055

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.



14.5968, 0.2330, 0.1901



14.5968, 0.4522, 0.4689



14.5968, 0.1503, 0.2147

Square

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



14.5968, 0.4522, 0.4689



14.5968, 0.2005, 0.3901



14.5968, 0.1751, 0.1870



14.5968, 0.4265, 0.2694

Rectangle

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



14.5968, 0.4522, 0.4689



14.5968, 0.3082, 0.5078



14.5968, 0.1751, 0.1870



14.5968, 0.2903, 0.2068

Sweetspot

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



14.5975, 0.4522, 0.4689



34.4108, 0.3560, 0.3817



5.0963, 0.5627, 0.3003



7.6874, 0.3607, 0.3872



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



14.5975, 0.4522, 0.4689



24.8666, 0.4630, 0.4706



18.2255, 0.3730, 0.5327



4.8671, 0.3261, 0.3458



13.6682, 0.4618, 0.4715



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.0573, 0.1664, 0.1055



4.1169, 0.1565, 0.0833



2.4508, 0.1825, 0.0856



4.3504, 0.2993, 0.3116



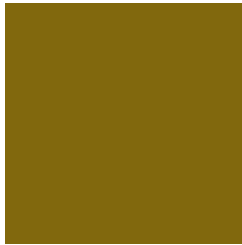
2.3516, 0.1575, 0.0868



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.5968, 0.4522, 0.4689 looks on a white background.

Color Contrast Check

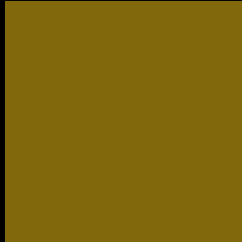
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5968, 0.4522, 0.4689 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 14.5968, 0.4522, 0.4689

Background



This preview shows how black text looks on a background with the Yxy color 14.5968, 0.4522, 0.4689.



This preview shows how white text looks on a background with the Yxy color 14.5968, 0.4522, 0.4689.

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

14.5968, 0.4522, 0.4689

Protanopia

14.6120, 0.4353, 0.4811

Deuteranopia

14.4927, 0.4648, 0.4572



Tritanopia

14.6172, 0.3589, 0.3159

Trichromacy



Original Color

14.5968, 0.4522, 0.4689

Protanomaly

14.6249, 0.4413, 0.4765

Deuteranomaly

14.5210, 0.4607, 0.4613

Tritanomaly

14.4748, 0.4041, 0.3846

Monochromacy



Original Color

14.5968, 0.4522, 0.4689

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.3119, 0.3725, 0.4005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5968, 0.4522, 0.4689 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(129, 104, 13)` looks like.

```
.text, #text, p{  
    color:rgb(129, 104, 13)  
}
```

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(129, 104, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 104, 13) }
```

Border

The CSS property to change the border of an element to Yxy 14.5968, 0.4522, 0.4689 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(129, 104, 13) }
```

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

```
.border{ border-color:rgb(129, 104, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 104, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 104, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 104, 13);  
box-shadow:4px 4px 4px 4px rgb(129, 104,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5968, 0.4522, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 104, 13) }
```

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

```
.background{ background-color: rgb(129,  
104, 13) }
```

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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