

Converting Colors

$Y_{xy}(14.8643, 0.4542, 0.4722)$

Have a look what the booklet for
Yxy(14.8643, 0.4542, 0.4722)
contains.

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Color

Yxy(14.8643, 0.4542, 0.4722)

Conversions

Conversions Part 1

Format	Color
Hex	826907
RGB	130, 105, 7
RGB Percent	51%, 41%, 3%
CMY	0.4901, 0.5882, 0.9725
CMYK	0.00, 0.19, 0.95, 0.49
HSL	48°, 90%, 27%
HSV	48°, 95%, 51%
XYZ	14.2977, 14.8643, 2.3168
YIQ	101.3030, 46.3580, -25.1780

Conversions

Conversions Part 2

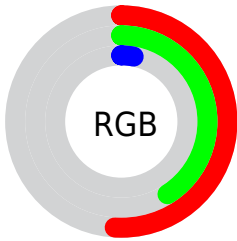
Format	Color
RYB	38, 130, 7
Decimal	8546567
CIELab	45.45, 1.06, 50.52
CIELCh	45, 50.534, 88.803
Yxy	14.8643, 0.4542, 0.4722
Android (android.graphics.Color)	4286736647 (0xFF826907)
YUV	101.3030, -46.4914, 25.1673
Hunter-Lab	38.5542, -1.2740, 23.4251

Details

The Yxy color **14.8643, 0.4542, 0.4722** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.6923, 0.1614, 0.0937**, and the grayscale version is **13.2113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7234, 0.4274, 0.4451**, and **4.5626, 0.4633, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **14.5614, 0.4591, 0.4736**, and if you desaturate by 10%, it is **15.4473, 0.4445, 0.4684**.

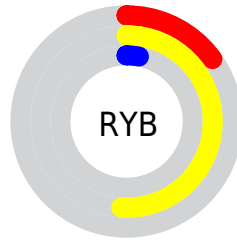
Distribution



Red (51%)

Green (41%)

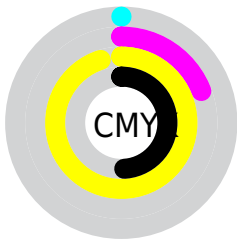
Blue (3%)



Red (15%)

Yellow (51%)

Blue (3%)

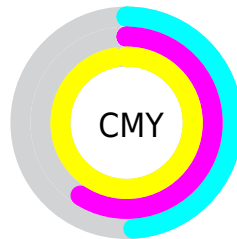


Cyan (0%)

Magenta (19%)

Yellow (95%)

Black (49%)



Cyan (49%)


Magenta (59%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8643, 0.4542, 0.4722 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 14.8643, 0.4542, 0.4722 by changing the saturation by 10% instead.


 14.8643, 0.4542,
0.4722


 14.8643, 0.4542,
0.4722


222.5434, 0.3781,
0.3958


 8.7242, 0.4705,
0.4880


 34.6149, 0.4272,
0.4455


 4.5617, 0.4917,
0.5083

 48.9943, 0.4166,
0.4348


 1.9925, 0.4931,
0.5069

 66.8888, 0.4076,
0.4257

 0.6031, 0.4983,
0.5017


 88.6830, 0.3999,
0.4179


 0.0000, 0.0000,
0.0000

 114.7611, 0.3932,
0.4112


 145.5076, 0.3875,


0.4054

 181.3069, 0.3825,
0.4003


 14.8643, 0.4542,
0.4722


 14.8643, 0.4542,
0.4722


 14.5614, 0.4591,
0.4736

 15.4473, 0.4445,
0.4684

 16.0707, 0.4323,
0.4604

 16.7393, 0.4178,
0.4484

 17.4561, 0.4018,
0.4331

 18.2239, 0.3848,
0.4154

■ 19.0451, 0.3677,
0.3963

■ 19.9219, 0.3508,
0.3765

■ 20.8563, 0.3346,
0.3568

■ 21.8504, 0.3194,
0.3376

Harmonies

Analogous

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



14.8643, 0.5071, 0.4021



14.8643, 0.4542, 0.4722



14.8643, 0.3695, 0.5191

Triad

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



14.8643, 0.4542, 0.4722



14.8643, 0.1536, 0.2798



14.8643, 0.3247, 0.2170

Complementary

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



14.8643, 0.4542, 0.4722



2.6923, 0.1614, 0.0937

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.



14.8643, 0.2317, 0.1872



14.8643, 0.4542, 0.4722



14.8643, 0.1469, 0.2112

Square

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



14.8643, 0.4542, 0.4722



14.8643, 0.1967, 0.3906



14.8643, 0.1724, 0.1836



14.8643, 0.4306, 0.2684

Rectangle

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



14.8643, 0.4542, 0.4722



14.8643, 0.3065, 0.5133



14.8643, 0.1724, 0.1836



14.8643, 0.2905, 0.2044

Sweetspot

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



14.8650, 0.4542, 0.4722



34.4410, 0.3575, 0.3845



5.0129, 0.5787, 0.3032



7.6686, 0.3637, 0.3917



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.



14.8650, 0.4542, 0.4722



25.4268, 0.4602, 0.4728



18.4265, 0.3723, 0.5377



4.8755, 0.3261, 0.3461



13.9683, 0.4590, 0.4737



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.6923, 0.1614, 0.0937



3.9957, 0.1559, 0.0812



2.2538, 0.1768, 0.0788



4.3425, 0.2993, 0.3113



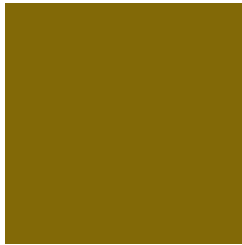
2.2812, 0.1568, 0.0846



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 14.8643, 0.4542, 0.4722 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 14.8643, 0.4542, 0.4722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

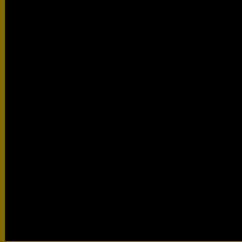
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8643, 0.4542, 0.4722

Background



This preview shows how black text looks on a background with the Yxy color 14.8643, 0.4542, 0.4722.



This preview shows how white text looks on a background with the Yxy color 14.8643, 0.4542, 0.4722.

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

14.8643, 0.4542, 0.4722

Protanopia

14.8824, 0.4371, 0.4841

Deuteranopia

14.7611, 0.4662, 0.4598



Tritanopia

14.9062, 0.3585, 0.3160

Trichromacy



Original Color

14.8643, 0.4542, 0.4722

Protanomaly

14.8929, 0.4434, 0.4799

Deuteranomaly

14.7907, 0.4621, 0.4638

Tritanomaly

14.7236, 0.4076, 0.3897

Monochromacy



Original Color

14.8643, 0.4542, 0.4722

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.3527, 0.3768, 0.4043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8643, 0.4542, 0.4722 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(130, 105, 7)` looks like.

```
.text, #text, p{  
    color:rgb(130, 105, 7)  
}
```

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(130, 105, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 105, 7) }
```

Border

The CSS property to change the border of an element to Yxy 14.8643, 0.4542, 0.4722 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(130, 105, 7) }
```

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

```
.border{ border-color:rgb(130, 105, 7) }
```

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

Here you see how a box with a 4 pixel rgb(130, 105, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 105, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 105, 7);  
box-shadow:4px 4px 4px 4px rgb(130, 105,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8643, 0.4542, 0.4722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 105, 7) }
```

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

```
.background{ background-color: rgb(130,  
105, 7) }
```

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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