

Converting Colors

$Y_{xy}(14.6217, 0.4643, 0.4629)$

Have a look what the booklet for
Yxy(14.6217, 0.4643, 0.4629)
contains.

Yxy(14.5908, 0.4641, 0.4628)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.5908, 0.4641, 0.4628)

Conversions

Conversions Part 1

Format	Color
Hex	866609
RGB	134, 102, 9
RGB Percent	53%, 40%, 4%
CMY	0.4745, 0.6000, 0.9645
CMYK	0.00, 0.24, 0.93, 0.47
HSL	45°, 87%, 28%
HSV	45°, 93%, 53%
XYZ	14.6318, 14.5908, 2.3046
YIQ	100.9660, 48.9250, -22.1390

Conversions

Conversions Part 2

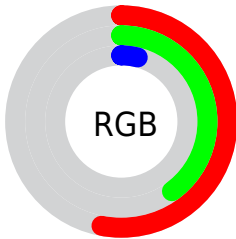
Format	Color
R_{YB}	52, 134, 9
Decimal	8807945
CIE Lab	45.07, 4.75, 49.97
CIE LCh	45, 50.192, 84.575
Yxy	14.5908, 0.4641, 0.4628
Android (android.graphics.Color)	4286998025 (0xFF866609)
YUV	100.9660, -45.3392, 28.9708
Hunter-Lab	38.1979, 1.5285, 23.1613

Details

The Yxy color **14.5908, 0.4641, 0.4628** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.3675, 0.1654, 0.1069**, and the grayscale version is **13.1161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2405, 0.4343, 0.4396**, and **4.5338, 0.4779, 0.4588** is the 20% darker color. If you saturate the color by 10%, you get **14.1230, 0.4715, 0.4638**, and if you desaturate by 10%, it is **15.3197, 0.4522, 0.4595**.

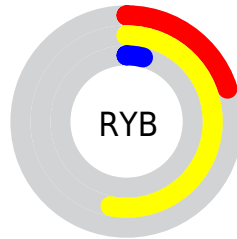
Distribution



Red (53%)

Green (40%)

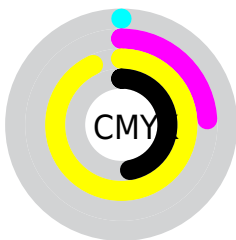
Blue (4%)



Red (20%)

Yellow (53%)

Blue (4%)

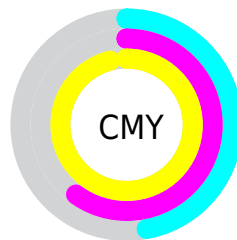


Cyan (0%)

Magenta (24%)

Yellow (93%)

Black (47%)



Cyan (47%)


Magenta (60%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.5908, 0.4641, 0.4628 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 14.5908, 0.4641, 0.4628 by changing the saturation by 10% instead.


 14.5908, 0.4641,
0.4628


 14.5908, 0.4641,
0.4628


220.8759, 0.3815,
0.3928


 8.5327, 0.4827,
0.4764


 34.1337, 0.4344,
0.4389


 4.4377, 0.5071,
0.4929

 48.3873, 0.4228,
0.4291


 1.9213, 0.5134,
0.4866

 66.1415, 0.4131,
0.4207

 0.5611, 0.5364,
0.4636


 87.7808, 0.4048,
0.4135


 0.0000, 0.0000,
0.0000

 113.6895, 0.3977,
0.4072


 144.2519, 0.3916,


0.4017


 179.8526, 0.3862,
0.3970

 14.5908, 0.4641,
0.4628

 14.5908, 0.4641,
0.4628

 14.1230, 0.4715,
0.4638

 15.3197, 0.4522,
0.4595

 16.1031, 0.4377,
0.4517

 16.9456, 0.4211,
0.4400

 17.8507, 0.4033,
0.4252

 18.8214, 0.3849,
0.4081

■ 19.8605, 0.3668,
0.3899

■ 20.9704, 0.3493,
0.3711

■ 22.1534, 0.3327,
0.3526

■ 23.4119, 0.3174,
0.3347

Harmonies

Analogous

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



14.5908, 0.5103, 0.3920



14.5908, 0.4641, 0.4628



14.5908, 0.3824, 0.5155

Triad

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



14.5908, 0.4641, 0.4628



14.5908, 0.1574, 0.2932



14.5908, 0.3099, 0.2114

Complementary

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



14.5908, 0.4641, 0.4628



3.3675, 0.1654, 0.1069

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.



14.5908, 0.2212, 0.1851



14.5908, 0.4641, 0.4628



14.5908, 0.1459, 0.2182

Square

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



14.5908, 0.4641, 0.4628



14.5908, 0.2060, 0.4076



14.5908, 0.1669, 0.1855



14.5908, 0.4165, 0.2602

Rectangle

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



14.5908, 0.4641, 0.4628



14.5908, 0.3198, 0.5178



14.5908, 0.1669, 0.1855



14.5908, 0.2769, 0.1999

Sweetspot

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



14.5915, 0.4641, 0.4628



35.8860, 0.3586, 0.3812



5.4340, 0.5592, 0.2935



7.9236, 0.3651, 0.3881



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



14.5915, 0.4641, 0.4628



24.6324, 0.4729, 0.4627



20.0621, 0.3803, 0.5305



5.2266, 0.3263, 0.3451



13.2541, 0.4714, 0.4639



0.0576, 0.4431, 0.4864

Inverse Universe

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



3.3675, 0.1654, 0.1069



4.8634, 0.1586, 0.0908



2.3332, 0.1720, 0.0771



4.7242, 0.2992, 0.3124



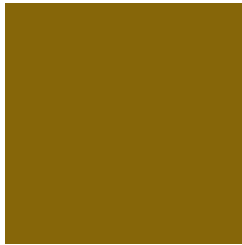
2.7172, 0.1596, 0.0946



0.0198, 0.1804, 0.1693

Previews

White Background



This preview shows how the Yxy color 14.5908, 0.4641, 0.4628 looks on a white background.

Color Contrast Check

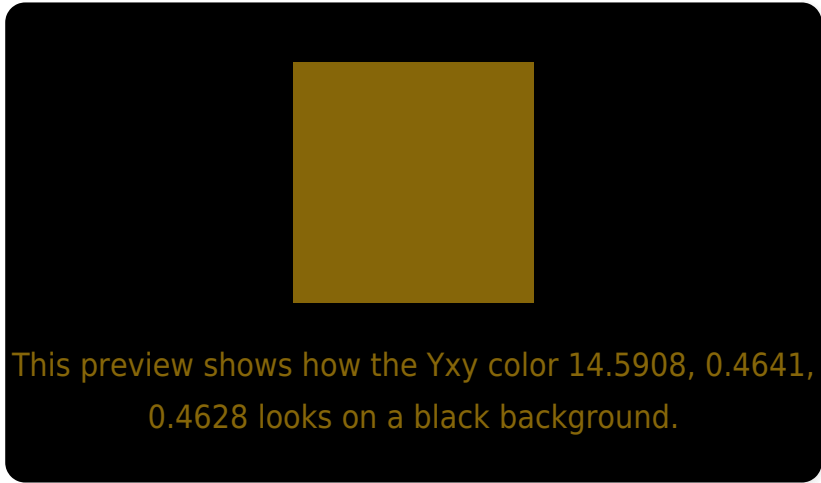
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5908, 0.4641, 0.4628

Background



This preview shows how black text looks on a background with the Yxy color 14.5908, 0.4641, 0.4628.



This preview shows how white text looks on a background with the Yxy color 14.5908, 0.4641, 0.4628.

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

14.5908, 0.4641, 0.4628

Protanopia

14.6045, 0.4365, 0.4828

Deuteranopia

14.4802, 0.4669, 0.4599



Tritanopia

14.6327, 0.3705, 0.3163

Trichromacy



Original Color

14.5908, 0.4641, 0.4628

Protanomaly

14.5607, 0.4474, 0.4751

Deuteranomaly

14.4802, 0.4669, 0.4599

Tritanomaly

14.4711, 0.4179, 0.3845

Monochromacy



Original Color

14.5908, 0.4641, 0.4628

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.2354, 0.3778, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5908, 0.4641, 0.4628 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(134, 102, 9)` looks like.

```
.text, #text, p{  
    color:rgb(134, 102, 9)  
}
```

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(134, 102, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 102, 9) }
```

Border

The CSS property to change the border of an element to Yxy 14.5908, 0.4641, 0.4628 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(134, 102, 9) }
```

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

```
.border{ border-color:rgb(134, 102, 9) }
```

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

Here you see how a box with a 4 pixel rgb(134, 102, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 102, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 102, 9);  
box-shadow:4px 4px 4px 4px rgb(134, 102,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5908, 0.4641, 0.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 102, 9) }
```

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

```
.background{ background-color: rgb(134,  
102, 9) }
```

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