

Converting Colors

$Y_{xy}(14.6778, 0.4648, 0.4608)$

Have a look what the booklet for
Yxy(14.6778, 0.4648, 0.4608)
contains.

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Color

Yxy(14.6778, 0.4648, 0.4608)

Conversions

Conversions Part 1

Format	Color
Hex	87660B
RGB	135, 102, 11
RGB Percent	53%, 40%, 4%
CMY	0.4705, 0.6000, 0.9568
CMYK	0.00, 0.24, 0.92, 0.47
HSL	44°, 85%, 29%
HSV	44°, 92%, 53%
XYZ	14.8052, 14.6778, 2.3699
YIQ	101.4930, 48.8790, -21.3050

Conversions

Conversions Part 2

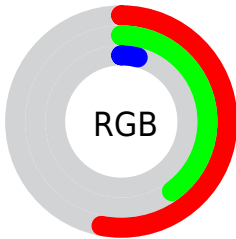
Format	Color
R_{YB}	56, 135, 11
Decimal	8873483
CIE Lab	45.19, 5.28, 49.66
CIE LCh	45, 49.939, 83.933
Yxy	14.6778, 0.4648, 0.4608
Android (android.graphics.Color)	4287063563 (0xFF87660B)
YUV	101.4930, -44.6130, 29.3856
Hunter-Lab	38.3116, 1.9345, 23.1506

Details

The Yxy color **14.6778, 0.4648, 0.4608** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.6250, 0.1672, 0.1120**, and the grayscale version is **13.2580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3823, 0.4346, 0.4381**, and **4.5777, 0.4800, 0.4571** is the 20% darker color. If you saturate the color by 10%, you get **14.0877, 0.4741, 0.4618**, and if you desaturate by 10%, it is **15.4445, 0.4521, 0.4571**.

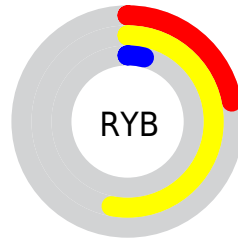
Distribution



Red (53%)

Green (40%)

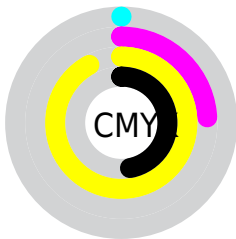
Blue (4%)



Red (22%)

Yellow (53%)

Blue (4%)

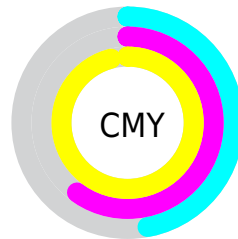


Cyan (0%)

Magenta (24%)

Yellow (92%)

Black (47%)



Cyan (47%)


Magenta (60%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6778, 0.4648, 0.4608 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 14.6778, 0.4648, 0.4608 by changing the saturation by 10% instead.


 14.6778, 0.4648,
0.4608


 14.6778, 0.4648,
0.4608


221.4077, 0.3817,
0.3920


 8.5936, 0.4836,
0.4740


 34.2869, 0.4348,
0.4373


 4.4770, 0.5093,
0.4907

 48.5807, 0.4231,
0.4277


 1.9438, 0.5162,
0.4838

 66.3796, 0.4133,
0.4195

 0.5745, 0.5402,
0.4598


 88.0683, 0.4050,
0.4123

 0.0000, 0.0000,
0.0000

 114.0311, 0.3979,
0.4062

 144.6523, 0.3917,


0.4008

 180.3163, 0.3864,
0.3961


 14.6778, 0.4648,
0.4608


 14.6778, 0.4648,
0.4608


 14.0877, 0.4741,
0.4618

 15.4445, 0.4521,
0.4571

 16.2695, 0.4368,
0.4489

 17.1576, 0.4197,
0.4368

 18.1121, 0.4014,
0.4218

 19.1361, 0.3828,
0.4047

■ 20.2325, 0.3645,
0.3865

■ 21.4038, 0.3470,
0.3680

■ 22.6524, 0.3306,
0.3497

■ 23.9806, 0.3154,
0.3321

Harmonies

Analogous

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



14.6778, 0.5095, 0.3904



14.6778, 0.4648, 0.4608



14.6778, 0.3842, 0.5137

Triad

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



14.6778, 0.4648, 0.4608



14.6778, 0.1589, 0.2957



14.6778, 0.3078, 0.2113

Complementary

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



14.6778, 0.4648, 0.4608



3.6250, 0.1672, 0.1120

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.



14.6778, 0.2202, 0.1856



14.6778, 0.4648, 0.4608



14.6778, 0.1467, 0.2200

Square

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



14.6778, 0.4648, 0.4608



14.6778, 0.2082, 0.4095



14.6778, 0.1669, 0.1866



14.6778, 0.4137, 0.2594

Rectangle

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



14.6778, 0.4648, 0.4608



14.6778, 0.3220, 0.5169



14.6778, 0.1669, 0.1866



14.6778, 0.2752, 0.1999

Sweetspot

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



14.6785, 0.4648, 0.4608



36.8831, 0.3588, 0.3806



5.5743, 0.5547, 0.2925



8.3612, 0.3656, 0.3876



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



14.6785, 0.4648, 0.4608



24.9510, 0.4755, 0.4606



20.4252, 0.3804, 0.5293



5.2188, 0.3263, 0.3449



13.0103, 0.4738, 0.4620



0.0571, 0.4443, 0.4855

Inverse Universe

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



3.6250, 0.1672, 0.1120



5.1537, 0.1591, 0.0927



2.4396, 0.1736, 0.0789



4.7315, 0.2992, 0.3126



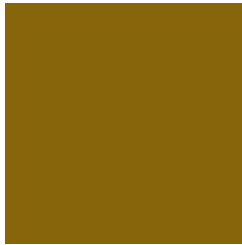
2.7934, 0.1602, 0.0968



0.0203, 0.1813, 0.1727

Previews

White Background



This preview shows how the Yxy color 14.6778, 0.4648, 0.4608 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 14.6778, 0.4648, 0.4608 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 14.6778, 0.4648, 0.4608

Background



This preview shows how black text looks on a background with the Yxy color 14.6778, 0.4648, 0.4608.



This preview shows how white text looks on a background with the Yxy color 14.6778, 0.4648, 0.4608.

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

14.6778, 0.4648, 0.4608

Protanopia

14.8191, 0.4342, 0.4830

Deuteranopia

14.7611, 0.4662, 0.4598



Tritanopia

14.7192, 0.3720, 0.3164

Trichromacy



Original Color

14.6778, 0.4648, 0.4608

Protanomaly

14.7702, 0.4450, 0.4755

Deuteranomaly

14.7611, 0.4662, 0.4598

Tritanomaly

14.5683, 0.4180, 0.3824

Monochromacy



Original Color

14.6778, 0.4648, 0.4608

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 14.6778, 0.4648, 0.4608 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(135, 102, 11)` looks like.

```
.text, #text, p{  
    color:rgb(135, 102, 11)  
}
```

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(135, 102, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 102, 11) }
```

Border

The CSS property to change the border of an element to Yxy 14.6778, 0.4648, 0.4608 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(135, 102, 11) }
```

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

```
.border{ border-color:rgb(135, 102, 11) }
```

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

Here you see how a box with a 4 pixel rgb(135, 102, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 102, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 102, 11);  
box-shadow:4px 4px 4px 4px rgb(135, 102,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6778, 0.4648, 0.4608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 102, 11) }
```

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

```
.background{ background-color: rgb(135,  
102, 11) }
```

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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