

Converting Colors

$Y_{xy}(14.6304, 0.4601, 0.4140)$

Have a look what the booklet for
Yxy(14.6304, 0.4601, 0.4140)
contains.

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Color

Yxy(14.6681, 0.4594, 0.4146)

Conversions

Conversions Part 1

Format	Color
Hex	90612D
RGB	144, 97, 45
RGB Percent	56%, 38%, 18%
CMY	0.4352, 0.6196, 0.8235
CMYK	0.00, 0.33, 0.69, 0.44
HSL	32°, 52%, 37%
HSV	32°, 69%, 56%
XYZ	16.2531, 14.6681, 4.4577
YIQ	105.1250, 44.7040, -6.2080

Conversions

Conversions Part 2

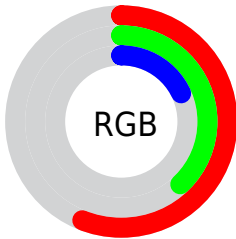
Format	Color
R_{YB}	134, 144, 45
Decimal	9462061
CIE Lab	45.18, 13.83, 36.55
CIE LCh	45, 39.076, 69.265
Yxy	14.6681, 0.4594, 0.4146
Android (android.graphics.Color)	4287652141 (0xFF90612D)
YUV	105.1250, -29.6416, 34.0934
Hunter-Lab	38.2990, 8.7276, 19.9083

Details

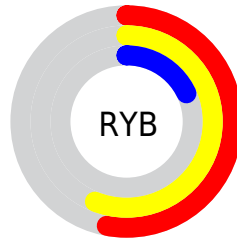
The Yxy color **14.6681, 0.4594, 0.4146** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.2332, 0.2071, 0.2131**, and the grayscale version is **14.2357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3876, 0.4257, 0.3994**, and **4.5413, 0.5127, 0.4311** is the 20% darker color. If you saturate the color by 10%, you get **13.3661, 0.4845, 0.4201**, and if you desaturate by 10%, it is **16.1185, 0.4337, 0.4055**.

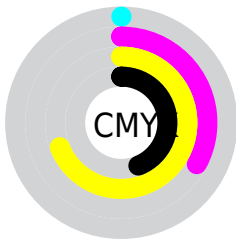
Distribution



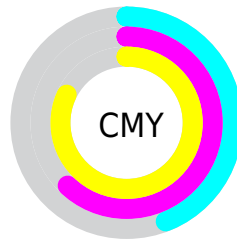
- Red (56%)
- Green (38%)
- Blue (18%)



- Red (53%)
- Yellow (56%)
- Blue (18%)



- Cyan (0%)
- Magenta (33%)
- Yellow (69%)
- Black (44%)





- Cyan (44%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6681, 0.4594, 0.4146 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 14.6681, 0.4594, 0.4146 by changing the saturation by 10% instead.


 14.6681, 0.4594,
0.4146


 14.6681, 0.4594,
0.4146


221.3484, 0.3743,
0.3698


 8.5868, 0.4834,
0.4238


 34.2699, 0.4259,
0.3989


 4.4727, 0.5181,
0.4352

 48.5591, 0.4140,
0.3927


 1.9413, 0.5605,
0.4395

 66.3531, 0.4043,
0.3873

 0.5730, 0.6064,
0.3936

 88.0363, 0.3963,
0.3828

 0.0000, 0.0000,
0.0000

 113.9930, 0.3895,
0.3788

 144.6077, 0.3837,

0.3754

180.2647, 0.3787,
0.3724

■ 14.6681, 0.4594,
0.4146

■ 14.6681, 0.4594,
0.4146

■ 13.3661, 0.4845,
0.4201

■ 16.1185, 0.4337,
0.4055

■ 12.2035, 0.5075,
0.4208

■ 17.7211, 0.4085,
0.3938

■ 11.1692, 0.5280,
0.4173

■ 19.4824, 0.3849,
0.3807

■ 11.0473, 0.5307,
0.4168

■ 21.4076, 0.3632,
0.3669

■ 23.5016, 0.3436,
0.3533

■ 25.7692, 0.3262,
0.3400

■ 28.2148, 0.3109,
0.3275

■ 30.8427, 0.2974,
0.3158

■ 33.6571, 0.2856,
0.3049

Harmonies

Analogous

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



14.6681, 0.4694, 0.3565



14.6681, 0.4594, 0.4146



14.6681, 0.4089, 0.4625

Triad

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



14.6681, 0.4594, 0.4146



14.6681, 0.2049, 0.3464



14.6681, 0.2725, 0.2191

Complementary

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



14.6681, 0.4594, 0.4146



10.2332, 0.2071, 0.2131

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.



14.6681, 0.2128, 0.2086



14.6681, 0.4594, 0.4146



14.6681, 0.1778, 0.2697

Square

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



14.6681, 0.4594, 0.4146



14.6681, 0.2617, 0.4307



14.6681, 0.1810, 0.2239



14.6681, 0.3526, 0.2513

Rectangle

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



14.6681, 0.4594, 0.4146



14.6681, 0.3619, 0.4771



14.6681, 0.1810, 0.2239



14.6681, 0.2497, 0.2130

Sweetspot

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



14.6688, 0.4594, 0.4146



40.4176, 0.3486, 0.3569



8.5966, 0.4210, 0.2511



9.0591, 0.3534, 0.3602



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



14.6688, 0.4594, 0.4146



22.3177, 0.4986, 0.4211



25.9269, 0.4017, 0.4806



5.8632, 0.3269, 0.3406



9.6642, 0.5299, 0.4175



0.1366, 0.4725, 0.4630

Inverse Universe

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



10.2332, 0.2071, 0.2131



13.9627, 0.1887, 0.1815



4.4878, 0.1852, 0.1166



5.6510, 0.2990, 0.3172



5.4422, 0.1761, 0.1539



0.0956, 0.1980, 0.2328

Previews

White Background



This preview shows how the Yxy color 14.6681, 0.4594, 0.4146 looks on a white background.

Color Contrast Check

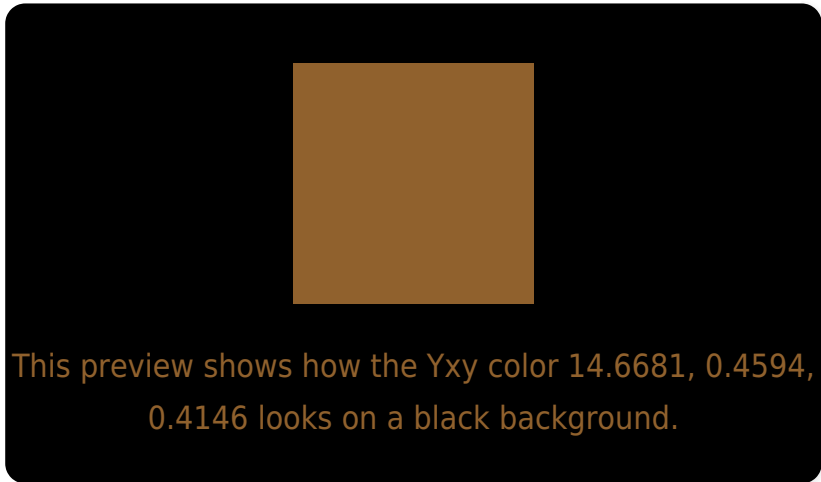
Large Text (above 18pt) WCAG AA ✓ Pass

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

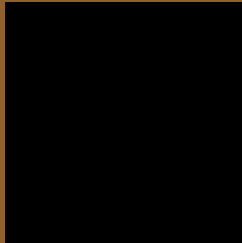
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.6681, 0.4594, 0.4146

Background



This preview shows how black text looks on a background with the Yxy color 14.6681, 0.4594, 0.4146.



This preview shows how white text looks on a background with the Yxy color 14.6681, 0.4594, 0.4146.

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

14.6681, 0.4594, 0.4146

Protanopia

14.6507, 0.4064, 0.4444

Deuteranopia

14.6711, 0.4379, 0.4318



Tritanopia

14.5671, 0.3911, 0.3169

Trichromacy



Original Color

14.6681, 0.4594, 0.4146

Protanomaly

14.4949, 0.4259, 0.4327

Deuteranomaly

14.6146, 0.4464, 0.4256

Tritanomaly

14.5042, 0.4193, 0.3540

Monochromacy



Original Color

14.6681, 0.4594, 0.4146

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.0492, 0.3651, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6681, 0.4594, 0.4146 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(144, 97, 45)` looks like.

```
.text, #text, p{  
    color:rgb(144, 97, 45)  
}
```

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(144, 97, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 97, 45) }
```

Border

The CSS property to change the border of an element to Yxy 14.6681, 0.4594, 0.4146 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(144, 97, 45) }
```

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

```
.border{ border-color:rgb(144, 97, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 97, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 97, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 97, 45);  
box-shadow:4px 4px 4px 4px rgb(144, 97,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 14.6681, 0.4594, 0.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 97, 45) }
```

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

```
.background{ background-color: rgb(144, 97,  
45) }
```

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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