

Converting Colors

$Y_{xy}(18.3329, 0.4329, 0.4430)$

Have a look what the booklet for
Yxy(18.3329, 0.4329, 0.4430)
contains.

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Color

Yxy(18.2984, 0.4334, 0.4418)

Conversions

Conversions Part 1

Format	Color
Hex	8F732E
RGB	143, 115, 46
RGB Percent	56%, 45%, 18%
CMY	0.4392, 0.5490, 0.8197
CMYK	0.00, 0.20, 0.68, 0.44
HSL	43°, 51%, 37%
HSV	43°, 68%, 56%
XYZ	17.9505, 18.2984, 5.1689
YIQ	115.5060, 38.8370, -15.5230

Conversions

Conversions Part 2

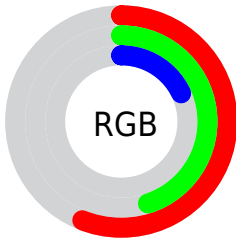
Format	Color
RYB	85, 143, 46
Decimal	9401134
CIELab	49.86, 3.01, 41.13
CIELCh	50, 41.237, 85.820
Yxy	18.2984, 0.4334, 0.4418
Android (android.graphics.Color)	4287591214 (0xFF8F732E)
YUV	115.5060, -34.2665, 24.1122
Hunter-Lab	42.7766, 0.0454, 22.7793

Details

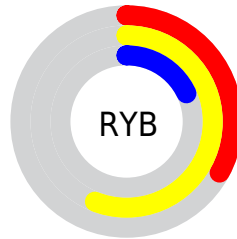
The Yxy color **18.2984, 0.4334, 0.4418** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.4573, 0.1986, 0.1736**, and the grayscale version is **17.4038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6058, 0.4081, 0.4202**, and **6.1382, 0.4667, 0.4676** is the 20% darker color. If you saturate the color by 10%, you get **17.2848, 0.4504, 0.4512**, and if you desaturate by 10%, it is **19.3935, 0.4149, 0.4288**.

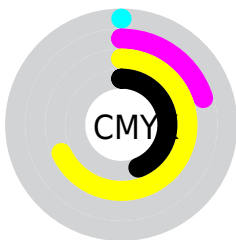
Distribution



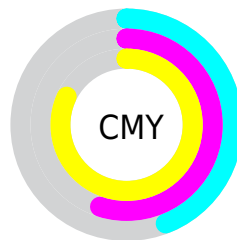
- Red (56%)
- Green (45%)
- Blue (18%)



- Red (33%)
- Yellow (56%)
- Blue (18%)



- Cyan (0%)
- Magenta (20%)
- Yellow (68%)
- Black (44%)




- Cyan (44%)
- Magenta (55%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2984, 0.4334, 0.4418 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 18.2984, 0.4334, 0.4418 by changing the saturation by 10% instead.


 18.2984, 0.4334,
0.4418

 18.2984, 0.4334,
0.4418


242.5476, 0.3670,
0.3810


 11.1644, 0.4502,
0.4564


 40.5451, 0.4085,
0.4195


 6.1775, 0.4710,
0.4736

 56.4267, 0.3993,
0.4110


 2.9533, 0.5017,
0.4983

 75.9929, 0.3916,
0.4040

 1.1074, 0.5073,
0.4927

 99.6282, 0.3851,
0.3979

 0.0000, 1.0000,
0.0000

 127.7169, 0.3796,
0.3928

 0.0000, 0.0000,
0.0000

 160.6434, 0.3748,

0.3883

198.7922, 0.3706,
0.3844

■ 18.2984, 0.4334,
0.4418

■ 18.2984, 0.4334,
0.4418

■ 17.2848, 0.4504,
0.4512

■ 19.3935, 0.4149,
0.4288

■ 16.3455, 0.4650,
0.4562

■ 20.5713, 0.3957,
0.4132

■ 15.4731, 0.4773,
0.4571

■ 21.8362, 0.3765,
0.3960

■ 15.2909, 0.4799,
0.4571

■ 23.1914, 0.3580,
0.3780

■ 24.6400, 0.3406,
0.3599

■ 26.1847, 0.3244,
0.3423

■ 27.8282, 0.3096,
0.3254

■ 29.5731, 0.2962,
0.3096

■ 31.4217, 0.2842,
0.2949

Harmonies

Analogous

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



18.2984, 0.4670, 0.3883



18.2984, 0.4334, 0.4418



18.2984, 0.3697, 0.4732

Triad

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



18.2984, 0.4334, 0.4418



18.2984, 0.1883, 0.3016



18.2984, 0.3153, 0.2360

Complementary

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



18.2984, 0.4334, 0.4418



7.4573, 0.1986, 0.1736

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.



18.2984, 0.2438, 0.2134



18.2984, 0.4334, 0.4418



18.2984, 0.1782, 0.2421

Square

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



18.2984, 0.4334, 0.4418



18.2984, 0.2287, 0.3848



18.2984, 0.1970, 0.2140



18.2984, 0.3958, 0.2775

Rectangle

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



18.2984, 0.4334, 0.4418



18.2984, 0.3197, 0.4680



18.2984, 0.1970, 0.2140



18.2984, 0.2894, 0.2261

Sweetspot

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



18.2993, 0.4334, 0.4418



43.4448, 0.3450, 0.3645



8.3011, 0.4612, 0.2820



9.8118, 0.3493, 0.3691



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.



18.2993, 0.4334, 0.4418



30.1217, 0.4579, 0.4542



24.0947, 0.3796, 0.4926



6.0261, 0.3265, 0.3446



13.5584, 0.4795, 0.4574



0.1675, 0.4468, 0.4834

Inverse Universe

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



7.4573, 0.1986, 0.1736



9.4883, 0.1778, 0.1364



5.0729, 0.2048, 0.1276



5.4927, 0.2990, 0.3129



3.2039, 0.1615, 0.1013



0.0647, 0.1834, 0.1800

Previews

White Background



This preview shows how the Yxy color 18.2984, 0.4334, 0.4418 looks on a white background.

Color Contrast Check

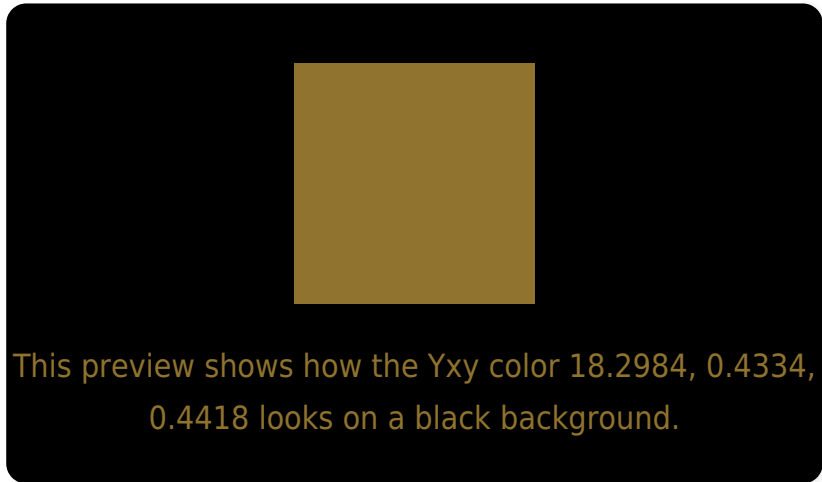
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

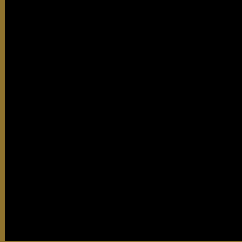
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2984, 0.4334, 0.4418

Background



This preview shows how black text looks on a background with the Yxy color 18.2984, 0.4334, 0.4418.



This preview shows how white text looks on a background with the Yxy color 18.2984, 0.4334, 0.4418.

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

18.2984, 0.4334, 0.4418

Protanopia

18.3044, 0.4128, 0.4545

Deuteranopia

18.3114, 0.4417, 0.4341



Tritanopia

18.2820, 0.3576, 0.3154

Trichromacy



Original Color

18.2984, 0.4334, 0.4418

Protanomaly

18.3963, 0.4194, 0.4500

Deuteranomaly

18.3509, 0.4377, 0.4369

Tritanomaly

18.2352, 0.3881, 0.3643

Monochromacy



Original Color

18.2984, 0.4334, 0.4418

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.6817, 0.3573, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2984, 0.4334, 0.4418 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(143, 115, 46)` looks like.

```
.text, #text, p{  
    color:rgb(143, 115, 46)  
}
```

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(143, 115, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 115, 46) }
```

Border

The CSS property to change the border of an element to Yxy 18.2984, 0.4334, 0.4418 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(143, 115, 46) }
```

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

```
.border{ border-color:rgb(143, 115, 46) }
```

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

Here you see how a box with a 4 pixel rgb(143, 115, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 115, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 115, 46);  
box-shadow:4px 4px 4px 4px rgb(143, 115,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2984, 0.4334, 0.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 115, 46) }
```

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

```
.background{ background-color: rgb(143,  
115, 46) }
```

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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