

Converting Colors

$Y_{xy}(19.2621, 0.4756, 0.4333)$

Have a look what the booklet for
Yxy(19.2621, 0.4756, 0.4333)
contains.

| | |
|---|----|
| Yxy(19.3712, 0.4758, 0.4334) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(19.3712, 0.4758, 0.4334)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A46F21 |
| RGB | 164, 111, 33 |
| RGB Percent | 64%, 44%, 13% |
| CMY | 0.3569, 0.5647, 0.8705 |
| CMYK | 0.00, 0.32, 0.80, 0.36 |
| HSL | 36°, 66%, 39% |
| HSV | 36°, 80%, 64% |
| XYZ | 21.2663, 19.3712, 4.0584 |
| YIQ | 117.9550, 56.6260, -13.0220 |

Conversions

Conversions Part 2

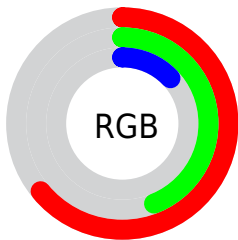
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 122, 164, 33 |
| Decimal | 10776353 |
| CIELab | 51.12, 14.24, 48.91 |
| CIElCh | 51, 50.944, 73.770 |
| Yxy | 19.3712, 0.4758, 0.4334 |
| Android (android.graphics.Color) | 4288966433 (0xFFA46F21) |
| YUV | 117.9550, -41.8828, 40.3815 |
| Hunter-Lab | 44.0127, 9.2263, 25.3418 |

Details

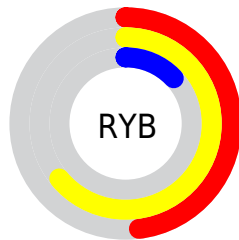
The Yxy color **19.3712, 0.4758, 0.4334** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.6574, 0.1878, 0.1702**, and the grayscale version is **18.2235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5225, 0.4430, 0.4174**, and **6.6808, 0.5092, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **17.9072, 0.4950, 0.4347**, and if you desaturate by 10%, it is **20.9894, 0.4541, 0.4273**.

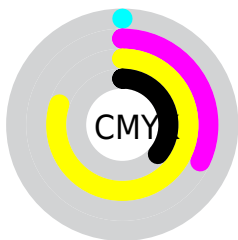
Distribution



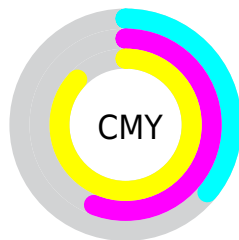
- Red (64%)
- Green (44%)
- Blue (13%)



- Red (48%)
- Yellow (64%)
- Blue (13%)



- Cyan (0%)
- Magenta (32%)
- Yellow (80%)
- Black (36%)





- Cyan (36%)
- Magenta (56%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3712, 0.4758, 0.4334 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 19.3712, 0.4758, 0.4334 by changing the saturation by 10% instead.


 19.3712, 0.4758,
0.4334


 19.3712, 0.4758,
0.4334


248.4904, 0.3875,
0.3830


 11.9388, 0.4970,
0.4417

 42.3604, 0.4434,
0.4172


 6.7020, 0.5260,
0.4516


 58.6860, 0.4312,
0.4103

 3.2765, 0.5511,
0.4489

 78.7448, 0.4209,
0.4042

 1.2777, 0.5730,
0.4270

 102.9212, 0.4121,
0.3989

 0.1238, 0.7898,
0.2102

 131.5995, 0.4046,
0.3942

 0.0000, 0.0000,
0.0000

 165.1642, 0.3981,

0.3900

203.9997, 0.3925,
0.3863

19.3712, 0.4758,
0.4334

19.3712, 0.4758,
0.4334

17.9072, 0.4950,
0.4347

20.9894, 0.4541,
0.4273

16.5793, 0.5117,
0.4317

22.7668, 0.4311,
0.4172

16.5618, 0.5120,
0.4317

24.7116, 0.4080,
0.4042

26.8301, 0.3856,
0.3895

29.1284, 0.3647,
0.3740

■ 31.6119, 0.3455,
0.3584

■ 34.2859, 0.3281,
0.3433

■ 37.1554, 0.3125,
0.3288

■ 40.2252, 0.2987,
0.3152

Harmonies

Analogous

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



19.3712, 0.4991, 0.3667



19.3712, 0.4758, 0.4334



19.3712, 0.4097, 0.4902

Triad

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



19.3712, 0.4758, 0.4334



19.3712, 0.1799, 0.3323



19.3712, 0.2776, 0.2069

Complementary

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



19.3712, 0.4758, 0.4334



9.6574, 0.1878, 0.1702

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.



19.3712, 0.2051, 0.1907



19.3712, 0.4758, 0.4334



19.3712, 0.1561, 0.2470

Square

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



19.3712, 0.4758, 0.4334



19.3712, 0.2392, 0.4387



19.3712, 0.1650, 0.2019



19.3712, 0.3740, 0.2463

Rectangle

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



19.3712, 0.4758, 0.4334



19.3712, 0.3533, 0.5062



19.3712, 0.1650, 0.2019



19.3712, 0.2499, 0.1987

Sweetspot

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



19.3722, 0.4758, 0.4334



55.2834, 0.3541, 0.3656



9.6773, 0.4710, 0.2591



11.7557, 0.3606, 0.3709



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



19.3722, 0.4758, 0.4334



30.5854, 0.5079, 0.4320



33.4333, 0.4008, 0.5019



7.7543, 0.3271, 0.3424



12.7971, 0.5108, 0.4326



0.3581, 0.4701, 0.4649

Inverse Universe

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



9.6574, 0.1878, 0.1702



12.5297, 0.1711, 0.1334



4.3026, 0.1722, 0.0895



7.3083, 0.2987, 0.3153



5.1614, 0.1697, 0.1309



0.1999, 0.1900, 0.2038

Previews

White Background



This preview shows how the Yxy color 19.3712, 0.4758, 0.4334 looks on a white 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

Black Background



This preview shows how the Yxy color 19.3712, 0.4758, 0.4334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

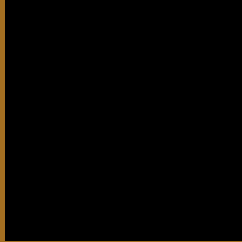
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3712, 0.4758, 0.4334

Background



This preview shows how black text looks on a background with the Yxy color 19.3712, 0.4758, 0.4334.



This preview shows how white text looks on a background with the Yxy color 19.3712, 0.4758, 0.4334.

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

19.3712, 0.4758, 0.4334

Protanopia

19.3648, 0.4246, 0.4673

Deuteranopia

19.4597, 0.4579, 0.4496



Tritanopia

19.3732, 0.3938, 0.3183

Trichromacy



Original Color

19.3712, 0.4758, 0.4334

Protanomaly

19.2813, 0.4436, 0.4546

Deuteranomaly

19.4080, 0.4650, 0.4429

Tritanomaly

19.3554, 0.4307, 0.3664

Monochromacy



Original Color

19.3712, 0.4758, 0.4334

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1005, 0.3755, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3712, 0.4758, 0.4334 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(164, 111, 33)` looks like.

```
.text, #text, p{  
    color:rgb(164, 111, 33)  
}
```

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(164, 111, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 111, 33) }
```

Border

The CSS property to change the border of an element to Yxy 19.3712, 0.4758, 0.4334 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(164, 111, 33) }
```

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

```
.border{ border-color:rgb(164, 111, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 111, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 111, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 111, 33);  
box-shadow:4px 4px 4px 4px rgb(164, 111,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3712, 0.4758, 0.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 111, 33) }
```

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

```
.background{ background-color: rgb(164,  
111, 33) }
```

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