

Converting Colors

$Y_{xy}(19.0367, 0.4479, 0.3981)$

Have a look what the booklet for
Yxy(19.0367, 0.4479, 0.3981)
contains.

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Color

Yxy(19.0940, 0.4479, 0.3978)

Conversions

Conversions Part 1

Format	Color
Hex	A36D40
RGB	163, 109, 64
RGB Percent	64%, 43%, 25%
CMY	0.3608, 0.5725, 0.7489
CMYK	0.00, 0.33, 0.61, 0.36
HSL	27°, 44%, 45%
HSV	27°, 61%, 64%
XYZ	21.4987, 19.0940, 7.4062
YIQ	120.0160, 46.6290, -2.5470

Conversions

Conversions Part 2

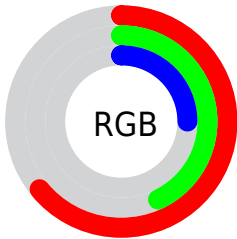
Format	Color
RYB	163, 147, 64
Decimal	10710336
CIELab	50.80, 16.73, 33.53
CIElCh	51, 37.467, 63.484
Yxy	19.0940, 0.4479, 0.3978
Android (android.graphics.Color)	4288900416 (0xFFA36D40)
YUV	120.0160, -27.6159, 37.6970
Hunter-Lab	43.6967, 11.3527, 20.5385

Details

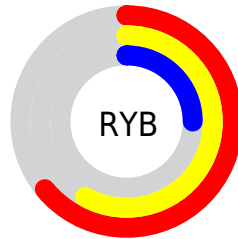
The Yxy color **19.0940, 0.4479, 0.3978** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.6965, 0.2205, 0.2421**, and the grayscale version is **18.8678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0541, 0.4181, 0.3860**, and **6.5693, 0.4991, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **17.1333, 0.4771, 0.4046**, and if you desaturate by 10%, it is **21.3028, 0.4196, 0.3881**.

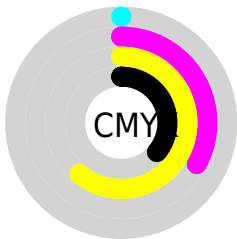
Distribution



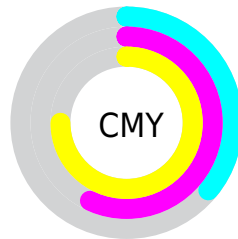
- Red (64%)
- Green (43%)
- Blue (25%)



- Red (64%)
- Yellow (58%)
- Blue (25%)



- Cyan (0%)
- Magenta (33%)
- Yellow (61%)
- Black (36%)




- Cyan (36%)
- Magenta (57%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0940, 0.4479, 0.3978 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 19.0940, 0.4479, 0.3978 by changing the saturation by 10% instead.


 19.0940, 0.4479,
0.3978


 19.0940, 0.4479,
0.3978


246.9672, 0.3713,
0.3630


 11.7382, 0.4695,
0.4051


 41.8929, 0.4180,
0.3857

 6.5657, 0.4979,
0.4125


 58.1048, 0.4074,
0.3809


 3.1920, 0.5499,
0.4283

 78.0375, 0.3986,
0.3768

 1.2328, 0.5878,
0.4122

 102.0754, 0.3914,
0.3733

 0.0882, 0.8480,
0.1520

 130.6029, 0.3852,
0.3702

 0.0000, 0.0000,
0.0000

 164.0045, 0.3799,

0.3675

202.6645, 0.3753,
0.3651

■ 19.0940, 0.4479,
0.3978

■ 19.0940, 0.4479,
0.3978

■ 17.1333, 0.4771,
0.4046

■ 21.3028, 0.4196,
0.3881

■ 15.4073, 0.5055,
0.4074

■ 23.7666, 0.3933,
0.3768

■ 13.9053, 0.5313,
0.4052

■ 26.4955, 0.3695,
0.3648

■ 12.6941, 0.5525,
0.3995

■ 29.4979, 0.3484,
0.3527

■ 32.7820, 0.3299,
0.3409

■ 36.3556, 0.3138,
0.3298

■ 40.2261, 0.2998,
0.3194

■ 44.4005, 0.2877,
0.3098

■ 48.8858, 0.2772,
0.3010

Harmonies

Analogous

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



19.0940, 0.4470, 0.3453



19.0940, 0.4479, 0.3978



19.0940, 0.4101, 0.4418

Triad

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



19.0940, 0.4479, 0.3978



19.0940, 0.2252, 0.3596



19.0940, 0.2655, 0.2269

Complementary

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



19.0940, 0.4479, 0.3978



16.6965, 0.2205, 0.2421

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.



19.0940, 0.2161, 0.2220



19.0940, 0.4479, 0.3978



19.0940, 0.1946, 0.2890

Square

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



19.0940, 0.4479, 0.3978



19.0940, 0.2807, 0.4282



19.0940, 0.1920, 0.2417



19.0940, 0.3342, 0.2526

Rectangle

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



19.0940, 0.4479, 0.3978



19.0940, 0.3706, 0.4574



19.0940, 0.1920, 0.2417



19.0940, 0.2464, 0.2227

Sweetspot

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



19.0950, 0.4479, 0.3978



54.1870, 0.3438, 0.3498



12.7749, 0.3915, 0.2471



11.8141, 0.3492, 0.3531



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.



19.0950, 0.4479, 0.3978



29.5141, 0.4876, 0.4062



32.6278, 0.4006, 0.4624



7.5914, 0.3274, 0.3392



9.9545, 0.5510, 0.4007



0.3033, 0.4930, 0.4467

Inverse Universe

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



16.6965, 0.2205, 0.2421



24.7881, 0.2037, 0.2183



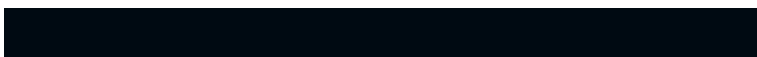
7.9880, 0.1993, 0.1467



7.4702, 0.2987, 0.3185



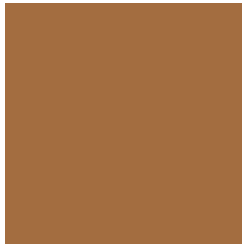
7.6897, 0.1823, 0.1762



0.2546, 0.1993, 0.2375

Previews

White Background



This preview shows how the Yxy color 19.0940, 0.4479, 0.3978 looks on a white background.

Color Contrast Check

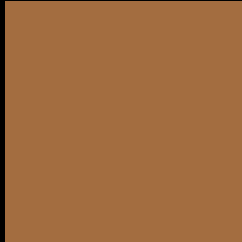
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0940, 0.4479, 0.3978 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 19.0940, 0.4479, 0.3978

Background



This preview shows how black text looks on a background with the Yxy color 19.0940, 0.4479, 0.3978.



This preview shows how white text looks on a background with the Yxy color 19.0940, 0.4479, 0.3978.

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

19.0940, 0.4479, 0.3978

Protanopia

19.0786, 0.3913, 0.4253

Deuteranopia

19.2392, 0.4232, 0.4168



Tritanopia

18.9552, 0.3917, 0.3166

Trichromacy



Original Color

19.0940, 0.4479, 0.3978

Protanomaly

19.0571, 0.4110, 0.4149

Deuteranomaly

19.0392, 0.4330, 0.4096

Tritanomaly

18.9106, 0.4141, 0.3467

Monochromacy



Original Color

19.0940, 0.4479, 0.3978

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6451, 0.3595, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0940, 0.4479, 0.3978 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(163, 109, 64)` looks like.

```
.text, #text, p{  
    color:rgb(163, 109, 64)  
}
```

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(163, 109, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 109, 64) }
```

Border

The CSS property to change the border of an element to Yxy 19.0940, 0.4479, 0.3978 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(163, 109, 64) }
```

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

```
.border{ border-color:rgb(163, 109, 64) }
```

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

Here you see how a box with a 4 pixel rgb(163, 109, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 109, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 109, 64);  
box-shadow:4px 4px 4px 4px rgb(163, 109,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0940, 0.4479, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 109, 64) }
```

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

```
.background{ background-color: rgb(163,  
109, 64) }
```

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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