

Converting Colors

$Y_{xy}(18.3339, 0.4784, 0.4484)$

Have a look what the booklet for
Yxy(18.3339, 0.4784, 0.4484)
contains.

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Color

Yxy(18.3574, 0.4782, 0.4485)

Conversions

Conversions Part 1

Format	Color
Hex	9D6E10
RGB	157, 110, 16
RGB Percent	62%, 43%, 6%
CMY	0.3843, 0.5686, 0.9374
CMYK	0.00, 0.30, 0.90, 0.38
HSL	40°, 82%, 34%
HSV	40°, 90%, 62%
XYZ	19.5730, 18.3574, 3.0002
YIQ	113.3370, 58.1860, -19.2700

Conversions

Conversions Part 2

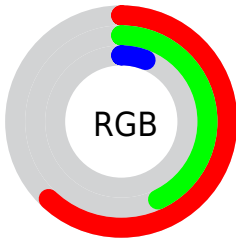
Format	Color
R_{YB}	87, 157, 16
Decimal	10317328
CIE Lab	49.93, 11.10, 53.26
CIE LCh	50, 54.403, 78.231
Yxy	18.3574, 0.4782, 0.4485
Android (android.graphics.Color)	4288507408 (0xFF9D6E10)
YUV	113.3370, -47.9871, 38.2925
Hunter-Lab	42.8455, 6.5641, 25.8402

Details

The Yxy color **18.3574, 0.4782, 0.4485** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.0931, 0.1725, 0.1302**, and the grayscale version is **16.7509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5436, 0.4475, 0.4299**, and **6.3217, 0.4993, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **17.2259, 0.4919, 0.4475**, and if you desaturate by 10%, it is **19.5858, 0.4622, 0.4456**.

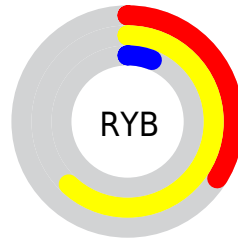
Distribution



Red (62%)

Green (43%)

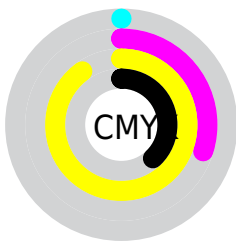
Blue (6%)



Red (34%)

Yellow (62%)

Blue (6%)

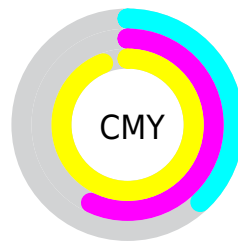


Cyan (0%)

Magenta (30%)

Yellow (90%)

Black (38%)



Cyan (38%)

Magenta (57%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3574, 0.4782, 0.4485 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 18.3574, 0.4782, 0.4485 by changing the saturation by 10% instead.


 18.3574, 0.4782,
0.4485


 18.3574, 0.4782,
0.4485


242.8779, 0.3900,
0.3907


 11.2069, 0.4978,
0.4576


 40.6454, 0.4467,
0.4302


 6.2062, 0.5282,
0.4718

 56.5517, 0.4345,
0.4222

 2.9708, 0.5391,
0.4609

 76.1453, 0.4241,
0.4152

 1.1165, 0.5580,
0.4420

 99.8107, 0.4152,
0.4090

 0.0000, 1.0000,
0.0000

 127.9323, 0.4076,
0.4036

 0.0000, 0.0000,
0.0000

 160.8944, 0.4009,

0.3987

■ 199.0815, 0.3951,
0.3945

■ 18.3574, 0.4782,
0.4485

■ 18.3574, 0.4782,
0.4485

■ 17.2259, 0.4919,
0.4475

■ 19.5858, 0.4622,
0.4456

■ 17.2077, 0.4921,
0.4475

■ 20.9216, 0.4438,
0.4380

■ 22.3718, 0.4237,
0.4265

■ 23.9421, 0.4030,
0.4121

■ 25.6372, 0.3826,
0.3959

■ 27.4617, 0.3630,
0.3789

■ 29.4197, 0.3446,
0.3617

■ 31.5152, 0.3278,
0.3448

■ 33.7519, 0.3125,
0.3287

Harmonies

Analogous

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



18.3574, 0.5138, 0.3771



18.3574, 0.4782, 0.4485



18.3574, 0.4016, 0.5086

Triad

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



18.3574, 0.4782, 0.4485



18.3574, 0.1639, 0.3149



18.3574, 0.2885, 0.2034

Complementary

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



18.3574, 0.4782, 0.4485



6.0931, 0.1725, 0.1302

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.



18.3574, 0.2064, 0.1824



18.3574, 0.4782, 0.4485



18.3574, 0.1451, 0.2298

Square

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



18.3574, 0.4782, 0.4485



18.3574, 0.2208, 0.4329



18.3574, 0.1594, 0.1890



18.3574, 0.3948, 0.2481

Rectangle

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



18.3574, 0.4782, 0.4485



18.3574, 0.3399, 0.5220



18.3574, 0.1594, 0.1890



18.3574, 0.2574, 0.1936

Sweetspot

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



18.3583, 0.4782, 0.4485



49.9751, 0.3586, 0.3749



7.8955, 0.5293, 0.2789



10.7626, 0.3645, 0.3803



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.3583, 0.4782, 0.4485



30.4558, 0.4938, 0.4461



29.1756, 0.3908, 0.5206



7.3477, 0.3268, 0.3439



14.0468, 0.4914, 0.4480



0.3256, 0.4567, 0.4756

Inverse Universe

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



6.0931, 0.1725, 0.1302



8.4895, 0.1630, 0.1067



3.2440, 0.1676, 0.0763



6.7784, 0.2988, 0.3137



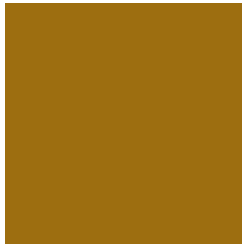
4.0564, 0.1643, 0.1114



0.1460, 0.1858, 0.1887

Previews

White Background



This preview shows how the Yxy color 18.3574, 0.4782, 0.4485 looks on a white background.

Color Contrast Check

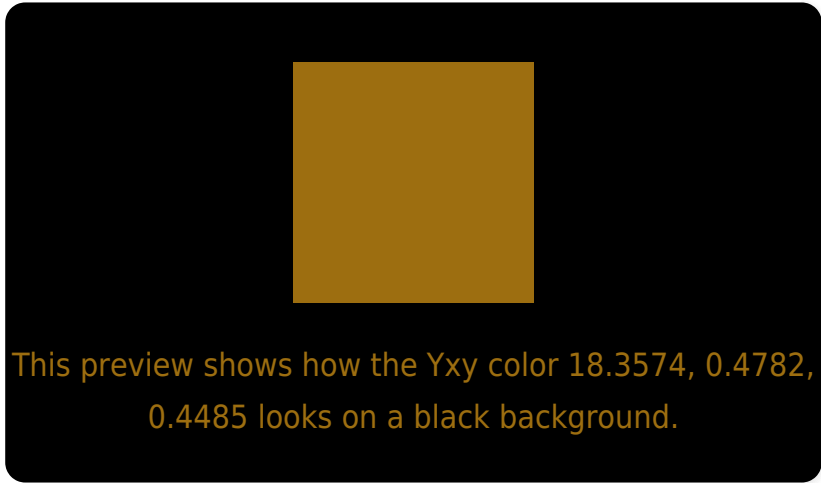
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3574, 0.4782, 0.4485

Background



This preview shows how black text looks on a background with the Yxy color 18.3574, 0.4782, 0.4485.



This preview shows how white text looks on a background with the Yxy color 18.3574, 0.4782, 0.4485.

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

18.3574, 0.4782, 0.4485

Protanopia

18.3090, 0.4339, 0.4801

Deuteranopia

18.4186, 0.4673, 0.4592



Tritanopia

18.3099, 0.3882, 0.3164

Trichromacy



Original Color

18.3574, 0.4782, 0.4485

Protanomaly

18.2852, 0.4493, 0.4692

Deuteranomaly

18.3924, 0.4709, 0.4556

Tritanomaly

18.0985, 0.4328, 0.3756

Monochromacy



Original Color

18.3574, 0.4782, 0.4485

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.8055, 0.3806, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3574, 0.4782, 0.4485 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(157, 110, 16)` looks like.

```
.text, #text, p{  
    color:rgb(157, 110, 16)  
}
```

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(157, 110, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 110, 16) }
```

Border

The CSS property to change the border of an element to Yxy 18.3574, 0.4782, 0.4485 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(157, 110, 16) }
```

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

```
.border{ border-color:rgb(157, 110, 16) }
```

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

Here you see how a box with a 4 pixel rgb(157, 110, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 110, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 110, 16);  
box-shadow:4px 4px 4px 4px rgb(157, 110,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3574, 0.4782, 0.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 110, 16) }
```

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

```
.background{ background-color: rgb(157,  
110, 16) }
```

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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