

Converting Colors

$Y_{xy}(19.1353, 0.4749, 0.4516)$

Have a look what the booklet for
Yxy(19.1353, 0.4749, 0.4516)
contains.

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Color

Yxy(19.1168, 0.4747, 0.4515)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9E7110 |
| RGB | 158, 113, 16 |
| RGB Percent | 62%, 44%, 6% |
| CMY | 0.3804, 0.5568, 0.9368 |
| CMYK | 0.00, 0.28, 0.90, 0.38 |
| HSL | 41°, 81%, 34% |
| HSV | 41°, 90%, 62% |
| XYZ | 20.0991, 19.1168, 3.1247 |
| YIQ | 115.3970, 57.9570, -20.6270 |

Conversions

Conversions Part 2

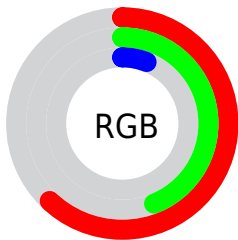
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 82, 158, 16 |
| Decimal | 10383632 |
| CIE _{Lab} | 50.82, 9.85, 53.98 |
| CIE _{LCh} | 51, 54.873, 79.656 |
| Yxy | 19.1168, 0.4747, 0.4515 |
| Android (android.graphics.Color) | 4288573712 (0xFF9E7110) |
| YUV | 115.3970, -49.0027, 37.3628 |
| Hunter-Lab | 43.7228, 5.5406, 26.3686 |

Details

The Yxy color **19.1168, 0.4747, 0.4515** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9271, 0.1713, 0.1260**, and the grayscale version is **17.4143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1299, 0.4442, 0.4328**, and **6.6054, 0.4959, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **17.9935, 0.4876, 0.4508**, and if you desaturate by 10%, it is **20.3327, 0.4594, 0.4483**.

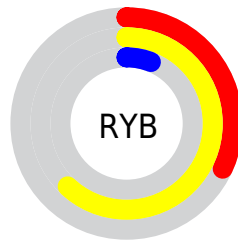
Distribution



Red (62%)

Green (44%)

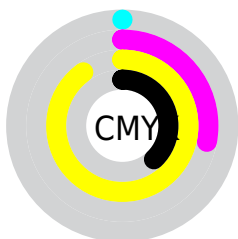
Blue (6%)



Red (32%)

Yellow (62%)

Blue (6%)

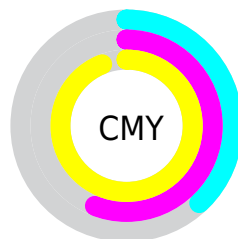


Cyan (0%)

Magenta (28%)

Yellow (90%)

Black (38%)



Cyan (38%)


Magenta (56%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1168, 0.4747, 0.4515 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 19.1168, 0.4747, 0.4515 by changing the saturation by 10% instead.


 19.1168, 0.4747,
0.4515


 19.1168, 0.4747,
0.4515


247.0928, 0.3891,
0.3920


 11.7547, 0.4934,
0.4612


 41.9314, 0.4444,
0.4325


 6.5769, 0.5230,
0.4770


 58.1526, 0.4325,
0.4243

 3.1989, 0.5324,
0.4676

 78.0957, 0.4225,
0.4171

 1.2364, 0.5485,
0.4515

 102.1451, 0.4138,
0.4108

 0.0912, 0.7821,
0.2179


 130.6851, 0.4063,
0.4052


 0.0000, 0.0000,
0.0000

 164.1001, 0.3998,


0.4003


 202.7745, 0.3942,
0.3959


 19.1168, 0.4747,
0.4515


 19.1168, 0.4747,
0.4515


 17.9935, 0.4876,
0.4508


 20.3327, 0.4594,
0.4483

 17.9723, 0.4879,
0.4508

 21.6516, 0.4416,
0.4404

 23.0804, 0.4222,
0.4286

 24.6245, 0.4020,
0.4139

 26.2889, 0.3820,
0.3974

■ 28.0779, 0.3626,
0.3800

■ 29.9956, 0.3445,
0.3624

■ 32.0460, 0.3277,
0.3452

■ 34.2325, 0.3124,
0.3287

Harmonies

Analogous

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



19.1168, 0.5125, 0.3804



19.1168, 0.4747, 0.4515



19.1168, 0.3972, 0.5097

Triad

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



19.1168, 0.4747, 0.4515



19.1168, 0.1628, 0.3100



19.1168, 0.2934, 0.2055

Complementary

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



19.1168, 0.4747, 0.4515



5.9271, 0.1713, 0.1260

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.



19.1168, 0.2099, 0.1833



19.1168, 0.4747, 0.4515



19.1168, 0.1456, 0.2274

Square

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



19.1168, 0.4747, 0.4515



19.1168, 0.2177, 0.4269



19.1168, 0.1614, 0.1885



19.1168, 0.3994, 0.2510

Rectangle

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



19.1168, 0.4747, 0.4515



19.1168, 0.3354, 0.5206



19.1168, 0.1614, 0.1885



19.1168, 0.2619, 0.1953

Sweetspot

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



19.1178, 0.4747, 0.4515



51.7661, 0.3584, 0.3760



8.0057, 0.5293, 0.2789



11.4273, 0.3644, 0.3816



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



19.1178, 0.4747, 0.4515



32.2678, 0.4895, 0.4495



29.5864, 0.3908, 0.5206



7.3653, 0.3268, 0.3442



14.4680, 0.4872, 0.4514



0.3310, 0.4547, 0.4772

Inverse Universe

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



5.9271, 0.1713, 0.1260



8.3203, 0.1618, 0.1026



3.2884, 0.1676, 0.0763



6.7615, 0.2988, 0.3133



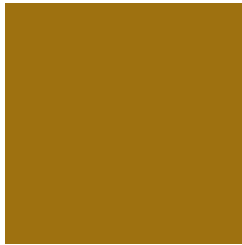
3.8752, 0.1632, 0.1073



0.1407, 0.1844, 0.1840

Previews

White Background



This preview shows how the Yxy color 19.1168, 0.4747, 0.4515 looks on a white background.

Color Contrast Check

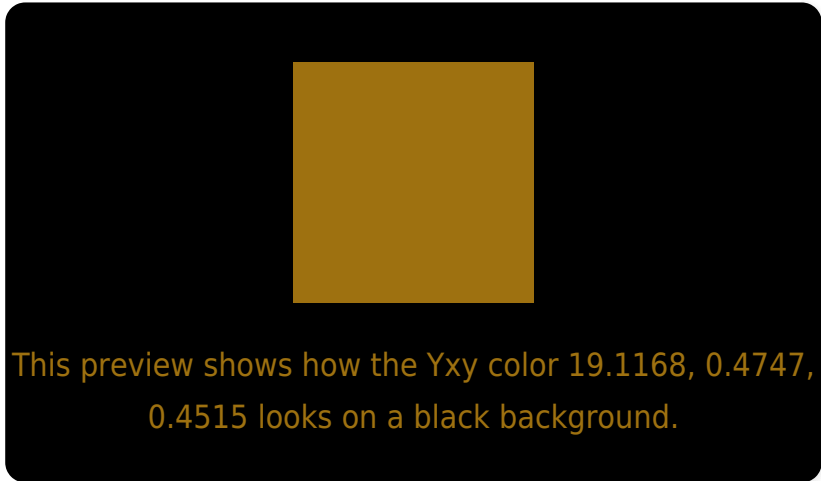
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



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 19.1168, 0.4747, 0.4515

Background



This preview shows how black text looks on a background with the Yxy color 19.1168, 0.4747, 0.4515.



This preview shows how white text looks on a background with the Yxy color 19.1168, 0.4747, 0.4515.

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

19.1168, 0.4747, 0.4515

Protanopia

19.2844, 0.4338, 0.4809

Deuteranopia

19.0655, 0.4663, 0.4595



Tritanopia

19.0819, 0.3837, 0.3164

Trichromacy



Original Color

19.1168, 0.4747, 0.4515

Protanomaly

19.2571, 0.4488, 0.4701

Deuteranomaly

19.0377, 0.4700, 0.4560

Tritanomaly

18.8522, 0.4287, 0.3770

Monochromacy



Original Color

19.1168, 0.4747, 0.4515

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4244, 0.3808, 0.3952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1168, 0.4747, 0.4515 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(158, 113, 16)` looks like.

```
.text, #text, p{  
    color:rgb(158, 113, 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(158, 113, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 113, 16) }
```

Border

The CSS property to change the border of an element to Yxy 19.1168, 0.4747, 0.4515 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(158, 113, 16) }
```

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

```
.border{ border-color:rgb(158, 113, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 113, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 113, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 113, 16);  
box-shadow:4px 4px 4px 4px rgb(158, 113,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1168, 0.4747, 0.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 113, 16) }
```

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

```
.background{ background-color: rgb(158,  
113, 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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