

Converting Colors

$Y_{xy}(19.3085, 0.4164, 0.4078)$

Have a look what the booklet for
Yxy(19.3085, 0.4164, 0.4078)
contains.

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Color

Yxy(19.3100, 0.4164, 0.4079)

Conversions

Conversions Part 1

Format	Color
Hex	957445
RGB	149, 116, 69
RGB Percent	58%, 45%, 27%
CMY	0.4157, 0.5451, 0.7294
CMYK	0.00, 0.22, 0.54, 0.42
HSL	35°, 37%, 43%
HSV	35°, 54%, 58%
XYZ	19.7124, 19.3100, 8.3176
YIQ	120.5090, 34.7550, -7.6210

Conversions

Conversions Part 2

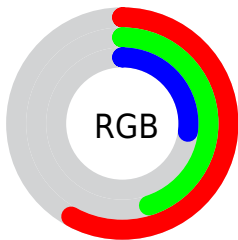
Format	Color
R_{YB}	125, 149, 69
Decimal	9794629
CIE _{Lab}	51.05, 6.96, 30.74
CIE _{LCh}	51, 31.517, 77.237
Yxy	19.3100, 0.4164, 0.4079
Android (android.graphics.Color)	4287984709 (0xFF957445)
YUV	120.5090, -25.3939, 24.9866
Hunter-Lab	43.9431, 3.1725, 19.5377

Details

The Yxy color **19.3100, 0.4164, 0.4079** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.9328, 0.2262, 0.2317**, and the grayscale version is **19.0290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2924, 0.3938, 0.3923**, and **6.6829, 0.4558, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **17.7787, 0.4397, 0.4198**, and if you desaturate by 10%, it is **20.9832, 0.3937, 0.3940**.

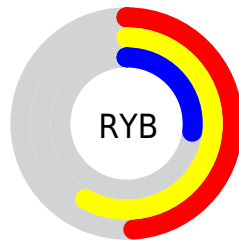
Distribution



Red (58%)

Green (45%)

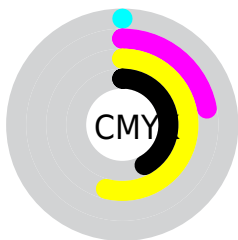
Blue (27%)



Red (49%)

Yellow (58%)

Blue (27%)

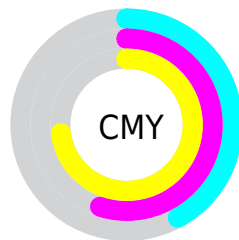


Cyan (0%)

Magenta (22%)

Yellow (54%)

Black (42%)



Cyan (42%)


Magenta (55%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3100, 0.4164, 0.4079 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 19.3100, 0.4164, 0.4079 by changing the saturation by 10% instead.


 19.3100, 0.4164,
0.4079


 19.3100, 0.4164,
0.4079


248.1548, 0.3579,
0.3651


 11.8945, 0.4329,
0.4189

 42.2573, 0.3936,
0.3919

 6.6719, 0.4548,
0.4324


 58.5578, 0.3855,
0.3860


 3.2578, 0.4912,
0.4547

 78.5888, 0.3788,
0.3810

 1.2677, 0.5308,
0.4692

 102.7347, 0.3732,
0.3768

 0.1160, 0.7072,
0.2928

 131.3799, 0.3685,
0.3733

 0.0000, 0.0000,
0.0000

164.9087, 0.3645,

0.3702

203.7055, 0.3609,
0.3675

■ 19.3100, 0.4164,
0.4079

■ 19.3100, 0.4164,
0.4079

■ 17.7787, 0.4397,
0.4198

■ 20.9832, 0.3937,
0.3940

■ 16.3813, 0.4626,
0.4285

■ 22.8006, 0.3722,
0.3790

■ 15.1128, 0.4838,
0.4329

■ 24.7676, 0.3523,
0.3636

■ 13.9664, 0.5023,
0.4324

■ 26.8886, 0.3343,
0.3486

■ 13.2963, 0.5133,
0.4307

■ 29.1677, 0.3182,
0.3341

■ 31.6088, 0.3039,
0.3205

■ 34.2157, 0.2911,
0.3078

■ 36.9919, 0.2799,
0.2961

■ 39.9410, 0.2700,
0.2853

Harmonies

Analogous

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



19.3100, 0.4306, 0.3657



19.3100, 0.4164, 0.4079



19.3100, 0.3742, 0.4344

Triad

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



19.3100, 0.4164, 0.4079



19.3100, 0.2235, 0.3270



19.3100, 0.2986, 0.2494

Complementary

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



19.3100, 0.4164, 0.4079



12.9328, 0.2262, 0.2317

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.



19.3100, 0.2474, 0.2366



19.3100, 0.4164, 0.4079



19.3100, 0.2075, 0.2750

Square

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



19.3100, 0.4164, 0.4079



19.3100, 0.2627, 0.3873



19.3100, 0.2159, 0.2444



19.3100, 0.3591, 0.2790

Rectangle

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



19.3100, 0.4164, 0.4079



19.3100, 0.3372, 0.4353



19.3100, 0.2159, 0.2444



19.3100, 0.2798, 0.2431

Sweetspot

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



19.3109, 0.4164, 0.4079



47.1339, 0.3389, 0.3525



11.6101, 0.3980, 0.2729



10.2893, 0.3422, 0.3553



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



19.3109, 0.4164, 0.4079



31.4260, 0.4434, 0.4214



27.7004, 0.3807, 0.4579



6.3477, 0.3269, 0.3420



11.2518, 0.5125, 0.4313



0.1960, 0.4629, 0.4706

Inverse Universe

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



12.9328, 0.2262, 0.2317



18.8313, 0.2083, 0.2060



7.9481, 0.2195, 0.1661



6.0023, 0.2989, 0.3157



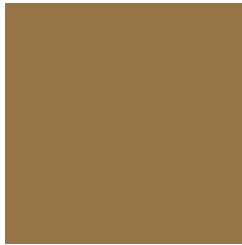
4.7301, 0.1706, 0.1341



0.1136, 0.1935, 0.2166

Previews

White Background



This preview shows how the Yxy color 19.3100, 0.4164, 0.4079 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 19.3100, 0.4164, 0.4079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

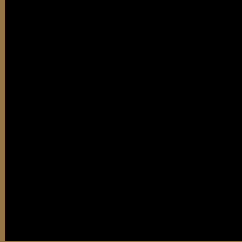
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3100, 0.4164, 0.4079

Background



This preview shows how black text looks on a background with the Yxy color 19.3100, 0.4164, 0.4079.



This preview shows how white text looks on a background with the Yxy color 19.3100, 0.4164, 0.4079.

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

19.3100, 0.4164, 0.4079

Protanopia

19.4423, 0.3886, 0.4214

Deuteranopia

19.3100, 0.4164, 0.4079



Tritanopia

19.2561, 0.3595, 0.3141

Trichromacy



Original Color

19.3100, 0.4164, 0.4079

Protanomaly

19.3641, 0.3981, 0.4174

Deuteranomaly

19.3100, 0.4164, 0.4079

Tritanomaly

19.2033, 0.3821, 0.3479

Monochromacy



Original Color

19.3100, 0.4164, 0.4079

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.9783, 0.3490, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3100, 0.4164, 0.4079 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(149, 116, 69)` looks like.

```
.text, #text, p{  
    color:rgb(149, 116, 69)  
}
```

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(149, 116, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 116, 69) }
```

Border

The CSS property to change the border of an element to Yxy 19.3100, 0.4164, 0.4079 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(149, 116, 69) }
```

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

```
.border{ border-color:rgb(149, 116, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 116, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 116, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 116, 69);  
box-shadow:4px 4px 4px 4px rgb(149, 116,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3100, 0.4164, 0.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 116, 69) }
```

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

```
.background{ background-color: rgb(149,  
116, 69) }
```

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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