

Converting Colors

$Y_{xy}(20.1339, 0.4352, 0.4143)$

Have a look what the booklet for
Yxy(20.1339, 0.4352, 0.4143)
contains.

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Color

Yxy(20.0067, 0.4348, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	9D743E
RGB	157, 116, 62
RGB Percent	62%, 45%, 24%
CMY	0.3844, 0.5450, 0.7568
CMYK	0.00, 0.26, 0.60, 0.38
HSL	34°, 43%, 43%
HSV	34°, 60%, 62%
XYZ	21.0169, 20.0067, 7.3134
YIQ	122.1030, 41.7700, -8.1020

Conversions

Conversions Part 2

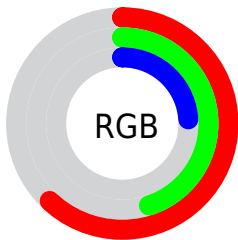
Format	Color
RYB	134, 157, 62
Decimal	10318910
CIELab	51.84, 9.92, 35.68
CIELCh	52, 37.028, 74.463
Yxy	20.0067, 0.4348, 0.4139
Android (android.graphics.Color)	4288508990 (0xFF9D743E)
YUV	122.1030, -29.6308, 30.6047
Hunter-Lab	44.7288, 5.5971, 21.6160

Details

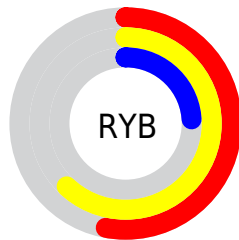
The Yxy color **20.0067, 0.4348, 0.4139** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.1553, 0.2160, 0.2199**, and the grayscale version is **19.5866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4491, 0.4087, 0.3982**, and **6.9935, 0.4763, 0.4364** is the 20% darker color. If you saturate the color by 10%, you get **18.3545, 0.4588, 0.4233**, and if you desaturate by 10%, it is **21.8245, 0.4108, 0.4017**.

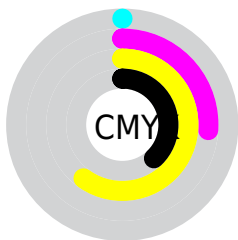
Distribution



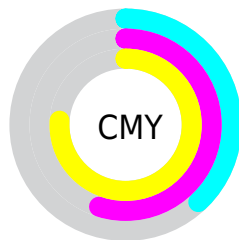
- Red (62%)
- Green (45%)
- Blue (24%)



- Red (53%)
- Yellow (62%)
- Blue (24%)



- Cyan (0%)
- Magenta (26%)
- Yellow (60%)
- Black (38%)




- Cyan (38%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0067, 0.4348, 0.4139 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 20.0067, 0.4348, 0.4139 by changing the saturation by 10% instead.


 20.0067, 0.4348,
0.4139


 20.0067, 0.4348,
0.4139


 251.9514, 0.3667,
0.3694


 12.3999, 0.4533,
0.4243


 43.4284, 0.4086,
0.3978

 7.0167, 0.4772,
0.4360


 60.0121, 0.3992,
0.3917

 3.4725, 0.5217,
0.4598

 80.3570, 0.3914,
0.3865

 1.3831, 0.5467,
0.4533

 104.8473, 0.3848,
0.3821

 0.2042, 0.6811,
0.3189

 133.8675, 0.3793,
0.3782

 0.0000, 0.0000,
0.0000

 167.8020, 0.3745,

0.3749

207.0351, 0.3703,
0.3720

■ 20.0067, 0.4348,
0.4139

■ 20.0067, 0.4348,
0.4139

■ 18.3545, 0.4588,
0.4233

■ 21.8245, 0.4108,
0.4017

■ 16.8581, 0.4816,
0.4287

■ 23.8112, 0.3878,
0.3877

■ 15.5108, 0.5020,
0.4292

■ 25.9736, 0.3663,
0.3729

■ 14.3540, 0.5192,
0.4260

■ 28.3170, 0.3467,
0.3580

■ 30.8465, 0.3291,
0.3435

■ 33.5672, 0.3134,
0.3297

■ 36.4835, 0.2996,
0.3167

■ 39.5999, 0.2873,
0.3047

■ 42.9209, 0.2766,
0.2936

Harmonies

Analogous

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



20.0067, 0.4488, 0.3642



20.0067, 0.4348, 0.4139



20.0067, 0.3877, 0.4492

Triad

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



20.0067, 0.4348, 0.4139



20.0067, 0.2133, 0.3322



20.0067, 0.2898, 0.2363

Complementary

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



20.0067, 0.4348, 0.4139



13.1553, 0.2160, 0.2199

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.



20.0067, 0.2334, 0.2236



20.0067, 0.4348, 0.4139



20.0067, 0.1933, 0.2702

Square

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



20.0067, 0.4348, 0.4139



20.0067, 0.2596, 0.4035



20.0067, 0.2004, 0.2338



20.0067, 0.3597, 0.2679

Rectangle

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



20.0067, 0.4348, 0.4139



20.0067, 0.3457, 0.4546



20.0067, 0.2004, 0.2338



20.0067, 0.2687, 0.2297

Sweetspot

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



20.0077, 0.4348, 0.4139



51.6722, 0.3428, 0.3548



11.5956, 0.4124, 0.2645



11.1072, 0.3478, 0.3588



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.



20.0077, 0.4348, 0.4139



31.7990, 0.4680, 0.4259



31.0008, 0.3893, 0.4710



7.2406, 0.3271, 0.3417



11.7359, 0.5182, 0.4268



0.2929, 0.4702, 0.4648

Inverse Universe

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



13.1553, 0.2160, 0.2199



18.4449, 0.1966, 0.1897



7.1220, 0.2041, 0.1423



6.8823, 0.2988, 0.3160



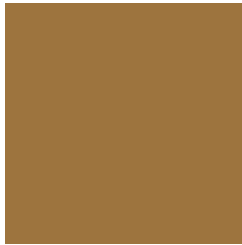
5.3794, 0.1720, 0.1393



0.1786, 0.1933, 0.2158

Previews

White Background



This preview shows how the Yxy color 20.0067, 0.4348, 0.4139 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 20.0067, 0.4348, 0.4139 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 20.0067, 0.4348, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 20.0067, 0.4348, 0.4139.



This preview shows how white text looks on a background with the Yxy color 20.0067, 0.4348, 0.4139.

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

20.0067, 0.4348, 0.4139

Protanopia

20.1153, 0.3974, 0.4326

Deuteranopia

20.0770, 0.4275, 0.4190



Tritanopia

20.0369, 0.3717, 0.3163

Trichromacy



Original Color

20.0067, 0.4348, 0.4139

Protanomaly

19.9742, 0.4105, 0.4256

Deuteranomaly

19.9404, 0.4299, 0.4170

Tritanomaly

19.9438, 0.3970, 0.3520

Monochromacy



Original Color

20.0067, 0.4348, 0.4139

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5039, 0.3564, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0067, 0.4348, 0.4139 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, 116, 62)` looks like.

```
.text, #text, p{  
    color:rgb(157, 116, 62)  
}
```

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, 116, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 116, 62) }
```

Border

The CSS property to change the border of an element to Yxy 20.0067, 0.4348, 0.4139 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, 116, 62) }
```

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

```
.border{ border-color:rgb(157, 116, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 116, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 116, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 116, 62);  
box-shadow:4px 4px 4px 4px rgb(157, 116,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0067, 0.4348, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 116, 62) }
```

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

```
.background{ background-color: rgb(157,  
116, 62) }
```

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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