

Converting Colors

$Y_{xy}(11.9376, 0.4560, 0.3348)$

Have a look what the booklet for
Yxy(11.9376, 0.4560, 0.3348)
contains.

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Color

Yxy(11.9711, 0.4557, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	964B47
RGB	150, 75, 71
RGB Percent	59%, 29%, 28%
CMY	0.4118, 0.7059, 0.7216
CMYK	0.00, 0.50, 0.53, 0.41
HSL	3°, 36%, 43%
HSV	3°, 53%, 59%
XYZ	16.2310, 11.9711, 7.4156
YIQ	96.9690, 45.9840, 14.6560

Conversions

Conversions Part 2

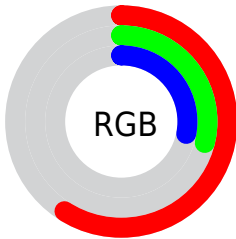
Format	Color
R_{YB}	150, 75, 71
Decimal	9849671
CIE Lab	41.17, 30.98, 16.89
CIE LCh	41, 35.283, 28.607
Yxy	11.9711, 0.4557, 0.3361
Android (android.graphics.Color)	4288039751 (0xFF964B47)
YUV	96.9690, -12.8027, 46.5082
Hunter-Lab	34.5993, 23.1879, 11.5120

Details

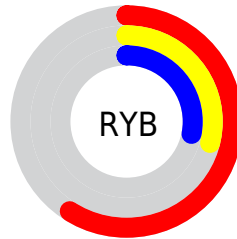
The Yxy color **11.9711, 0.4557, 0.3361** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.0964, 0.2450, 0.3212**, and the grayscale version is **11.9700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5190, 0.4185, 0.3383**, and **3.3006, 0.5280, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **10.0821, 0.4994, 0.3369**, and if you desaturate by 10%, it is **14.3412, 0.4168, 0.3349**.

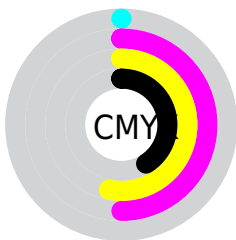
Distribution



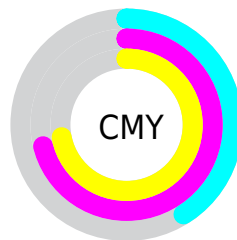
- Red (59%)
- Green (29%)
- Blue (28%)



- Red (59%)
- Yellow (29%)
- Blue (28%)



- Cyan (0%)
- Magenta (50%)
- Yellow (53%)
- Black (41%)





- Cyan (41%)
- Magenta (71%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9711, 0.4557, 0.3361 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 11.9711, 0.4557, 0.3361 by changing the saturation by 10% instead.


 11.9711, 0.4557,
0.3361

 11.9711, 0.4557,
0.3361


204.2139, 0.3677,
0.3353

 6.7240, 0.4855,
0.3338


 29.4425, 0.4186,
0.3372


 3.2901, 0.5296,
0.3279

 42.4355, 0.4063,
0.3371


 1.2850, 0.6300,
0.3278

 58.7793, 0.3966,
0.3368

 0.1295, 0.8717,
0.1283

 78.8583, 0.3886,
0.3365

 0.0000, 0.0000,
0.0000

 103.0569, 0.3821,
0.3362

131.7594, 0.3765,

0.3359

165.3503, 0.3718,
0.3356

■ 11.9711, 0.4557,
0.3361

■ 11.9711, 0.4557,
0.3361

■ 10.0821, 0.4994,
0.3369

■ 14.3412, 0.4168,
0.3349

■ 8.6395, 0.5450,
0.3369

■ 17.2203, 0.3839,
0.3335

■ 7.6072, 0.5869,
0.3360

■ 20.6362, 0.3568,
0.3321

■ 6.9424, 0.6187,
0.3341

■ 24.6143, 0.3348,
0.3306

■ 6.6493, 0.6354,
0.3337

■ 29.1784, 0.3169,
0.3293

■ 34.3507, 0.3024,
0.3281

■ 40.1526, 0.2906,
0.3270

■ 46.6042, 0.2810,
0.3261

■ 53.7248, 0.2730,
0.3252

Harmonies

Analogous

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



11.9711, 0.4014, 0.2827



11.9711, 0.4557, 0.3361



11.9711, 0.4636, 0.3931

Triad

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



11.9711, 0.4557, 0.3361



11.9711, 0.2884, 0.4486



11.9711, 0.2016, 0.2143

Complementary

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



11.9711, 0.4557, 0.3361



24.0964, 0.2450, 0.3212

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.



11.9711, 0.1804, 0.2395



11.9711, 0.4557, 0.3361



11.9711, 0.2249, 0.3761

Square

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



11.9711, 0.4557, 0.3361



11.9711, 0.3624, 0.4719



11.9711, 0.1876, 0.2954



11.9711, 0.2504, 0.2159

Rectangle

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



11.9711, 0.4557, 0.3361



11.9711, 0.4433, 0.4290



11.9711, 0.1876, 0.2954



11.9711, 0.1914, 0.2195

Sweetspot

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



11.9717, 0.4557, 0.3361



40.7617, 0.3423, 0.3311



13.0668, 0.3241, 0.2115



8.7462, 0.3463, 0.3314



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.



11.9717, 0.4557, 0.3361



17.3418, 0.5066, 0.3369



19.0749, 0.4169, 0.4019



5.8598, 0.3281, 0.3302



5.5294, 0.6349, 0.3341



0.0771, 0.6109, 0.3531

Inverse Universe

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



24.0964, 0.2450, 0.3212



41.0501, 0.2354, 0.3193



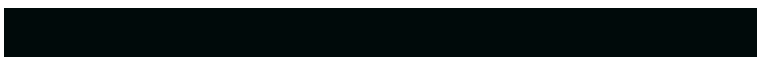
13.9627, 0.2291, 0.2402



6.5123, 0.2990, 0.3278



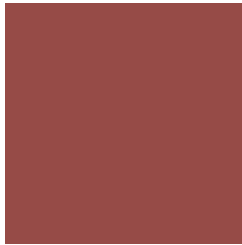
17.9817, 0.2204, 0.3135



0.2325, 0.2227, 0.3217

Previews

White Background



This preview shows how the Yxy color 11.9711, 0.4557, 0.3361 looks on a white background.

Color Contrast Check

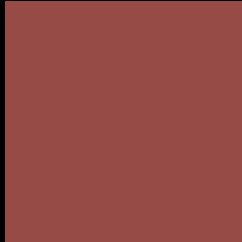
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 11.9711, 0.4557, 0.3361 looks on a black 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

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

Yxy 11.9711, 0.4557, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 11.9711, 0.4557, 0.3361.



This preview shows how white text looks on a background with the Yxy color 11.9711, 0.4557, 0.3361.

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

11.9711, 0.4557, 0.3361

Protanopia

12.0270, 0.3452, 0.3657

Deuteranopia

12.0280, 0.3907, 0.3823



Tritanopia

12.0414, 0.4432, 0.3210

Trichromacy



Original Color

11.9711, 0.4557, 0.3361

Protanomaly

11.6736, 0.3843, 0.3544

Deuteranomaly

11.7524, 0.4153, 0.3628

Tritanomaly

11.9987, 0.4488, 0.3261

Monochromacy



Original Color

11.9711, 0.4557, 0.3361

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5623, 0.3592, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9711, 0.4557, 0.3361 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(150, 75, 71)` looks like.

```
.text, #text, p{  
    color:rgb(150, 75, 71)  
}
```

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(150, 75, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 75, 71) }
```

Border

The CSS property to change the border of an element to Yxy 11.9711, 0.4557, 0.3361 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(150, 75, 71) }
```

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

```
.border{ border-color:rgb(150, 75, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 75, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 75, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 75, 71);  
box-shadow:4px 4px 4px 4px rgb(150, 75,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9711, 0.4557, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 75, 71) }
```

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

```
.background{ background-color: rgb(150, 75,  
71) }
```

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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