

Converting Colors

$Y_{xy}(11.8975, 0.4543, 0.3333)$

Have a look what the booklet for
Yxy(11.8975, 0.4543, 0.3333)
contains.

Yxy(11.8495, 0.4548, 0.3328)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.8495, 0.4548, 0.3328)

Conversions

Conversions Part 1

Format	Color
Hex	964A48
RGB	150, 74, 72
RGB Percent	59%, 29%, 28%
CMY	0.4118, 0.7097, 0.7177
CMYK	0.00, 0.51, 0.52, 0.41
HSL	2°, 35%, 44%
HSV	2°, 52%, 59%
XYZ	16.1934, 11.8495, 7.5626
YIQ	96.4960, 45.9380, 15.4900

Conversions

Conversions Part 2

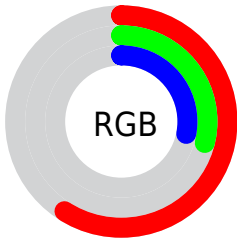
Format	Color
R_{YB}	150, 74, 72
Decimal	9849416
CIE Lab	40.98, 31.60, 16.02
CIE LCh	41, 35.429, 26.888
Yxy	11.8495, 0.4548, 0.3328
Android (android.graphics.Color)	4288039496 (0xFF964A48)
YUV	96.4960, -12.0765, 46.9230
Hunter-Lab	34.4231, 23.7298, 11.0704

Details

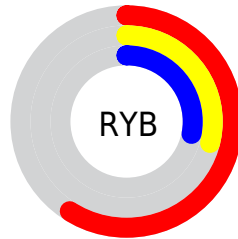
The Yxy color **11.8495, 0.4548, 0.3328** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.7433, 0.2464, 0.3250**, and the grayscale version is **11.8468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2887, 0.4179, 0.3357**, and **3.2604, 0.5267, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **9.9480, 0.4991, 0.3333**, and if you desaturate by 10%, it is **14.2530, 0.4156, 0.3321**.

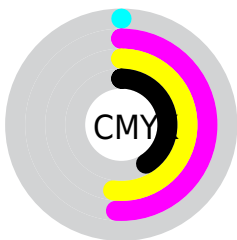
Distribution



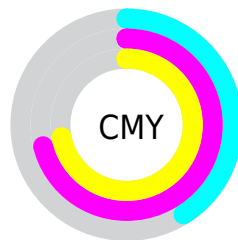
- Red (59%)
- Green (29%)
- Blue (28%)



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



- Cyan (0%)
- Magenta (51%)
- Yellow (52%)
- Black (41%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8495, 0.4548, 0.3328 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 11.8495, 0.4548, 0.3328 by changing the saturation by 10% instead.


 11.8495, 0.4548,
0.3328


 11.8495, 0.4548,
0.3328

203.4064, 0.3672,
0.3339


 6.6413, 0.4846,
0.3300


 29.2207, 0.4178,
0.3346


 3.2388, 0.5288,
0.3234

 42.1525, 0.4056,
0.3347

 1.2576, 0.6274,
0.3209

 58.4276, 0.3959,
0.3347

 0.1080, 0.8900,
0.1100

 78.4303, 0.3880,
0.3346

 0.0000, 0.0000,
0.0000

 102.5452, 0.3815,
0.3344

131.1566, 0.3760,

0.3343

164.6488, 0.3713,
0.3341

■ 11.8495, 0.4548,
0.3328

■ 11.8495, 0.4548,
0.3328

■ 9.9480, 0.4991,
0.3333

■ 14.2530, 0.4156,
0.3321

■ 8.5112, 0.5453,
0.3333

■ 17.1885, 0.3826,
0.3314

■ 7.4999, 0.5878,
0.3329

■ 20.6860, 0.3555,
0.3306

■ 6.8673, 0.6198,
0.3320

■ 24.7726, 0.3335,
0.3298

■ 6.5670, 0.6376,
0.3319

■ 29.4737, 0.3158,
0.3291

■ 34.8131, 0.3015,
0.3285

■ 40.8136, 0.2899,
0.3279

■ 47.4967, 0.2805,
0.3274

■ 54.8828, 0.2727,
0.3270

Harmonies

Analogous

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



11.8495, 0.3979, 0.2795



11.8495, 0.4548, 0.3328



11.8495, 0.4655, 0.3901

Triad

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



11.8495, 0.4548, 0.3328



11.8495, 0.2923, 0.4526



11.8495, 0.1989, 0.2142

Complementary

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



11.8495, 0.4548, 0.3328



24.7433, 0.2464, 0.3250

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.



11.8495, 0.1792, 0.2412



11.8495, 0.4548, 0.3328



11.8495, 0.2273, 0.3814

Square

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



11.8495, 0.4548, 0.3328



11.8495, 0.3668, 0.4726



11.8495, 0.1881, 0.2992



11.8495, 0.2464, 0.2145

Rectangle

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



11.8495, 0.4548, 0.3328



11.8495, 0.4466, 0.4266



11.8495, 0.1881, 0.2992



11.8495, 0.1892, 0.2199

Sweetspot

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



11.8501, 0.4548, 0.3328



40.4874, 0.3424, 0.3301



13.2754, 0.3202, 0.2095



8.6804, 0.3465, 0.3303



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.



11.8501, 0.4548, 0.3328



17.2084, 0.5047, 0.3333



18.6014, 0.4176, 0.3970



5.8381, 0.3282, 0.3296



5.4555, 0.6374, 0.3321



0.0716, 0.6245, 0.3424

Inverse Universe

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



24.7433, 0.2464, 0.3250



42.4467, 0.2372, 0.3240



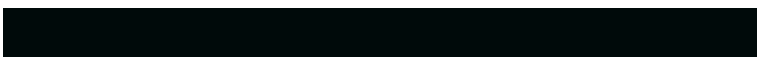
14.6628, 0.2312, 0.2471



6.5366, 0.2990, 0.3284



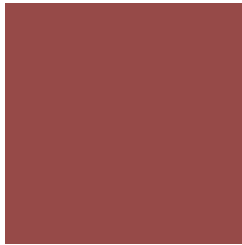
18.9085, 0.2225, 0.3210



0.2380, 0.2237, 0.3252

Previews

White Background



This preview shows how the Yxy color 11.8495, 0.4548, 0.3328 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 11.8495, 0.4548, 0.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

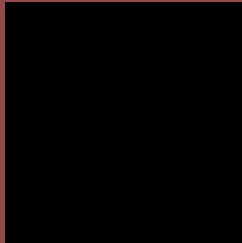
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8495, 0.4548, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 11.8495, 0.4548, 0.3328.



This preview shows how white text looks on a background with the Yxy color 11.8495, 0.4548, 0.3328.

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

11.8495, 0.4548, 0.3328

Protanopia

11.9987, 0.3407, 0.3612

Deuteranopia

11.9714, 0.3875, 0.3805



Tritanopia

11.7992, 0.4444, 0.3210

Trichromacy



Original Color

11.8495, 0.4548, 0.3328

Protanomaly

11.6312, 0.3792, 0.3503

Deuteranomaly

11.6870, 0.4120, 0.3610

Tritanomaly

11.7709, 0.4482, 0.3244

Monochromacy



Original Color

11.8495, 0.4548, 0.3328

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 11.8495, 0.4548, 0.3328 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, 74, 72)` looks like.

```
.text, #text, p{  
    color:rgb(150, 74, 72)  
}
```

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, 74, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 74, 72) }
```

Border

The CSS property to change the border of an element to Yxy 11.8495, 0.4548, 0.3328 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, 74, 72) }
```

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

```
.border{ border-color:rgb(150, 74, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 74, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 74, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 74, 72);  
box-shadow:4px 4px 4px 4px rgb(150, 74,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8495, 0.4548, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 74, 72) }
```

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

```
.background{ background-color: rgb(150, 74,  
72) }
```

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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