

Converting Colors

$Y_{xy}(12.9458, 0.4162, 0.3347)$

Have a look what the booklet for
Yxy(12.9458, 0.4162, 0.3347)
contains.

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Color

Yxy(12.9458, 0.4162, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	8F5552
RGB	143, 85, 82
RGB Percent	56%, 33%, 32%
CMY	0.4393, 0.6666, 0.6784
CMYK	0.00, 0.41, 0.43, 0.44
HSL	3°, 27%, 44%
HSV	3°, 43%, 56%
XYZ	16.0981, 12.9458, 9.6349
YIQ	102.0000, 35.5310, 11.3630

Conversions

Conversions Part 2

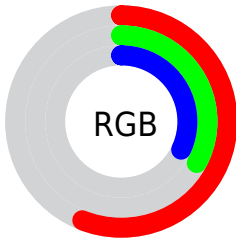
Format	Color
R_{YB}	143, 85, 82
Decimal	9393490
CIE _{Lab}	42.68, 23.70, 12.05
CIE _{LCh}	43, 26.591, 26.950
Yxy	12.9458, 0.4162, 0.3347
Android (android.graphics.Color)	4287583570 (0xFF8F5552)
YUV	102.0000, -9.8600, 35.9570
Hunter-Lab	35.9803, 16.8982, 9.3094

Details

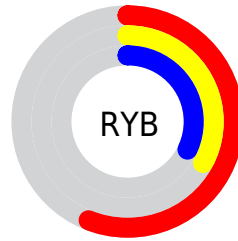
The Yxy color **12.9458, 0.4162, 0.3347** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.5307, 0.2555, 0.3231**, and the grayscale version is **13.3070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1088, 0.3905, 0.3346**, and **3.6935, 0.4714, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **10.8117, 0.4548, 0.3359**, and if you desaturate by 10%, it is **15.5379, 0.3835, 0.3333**.

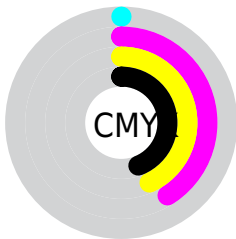
Distribution



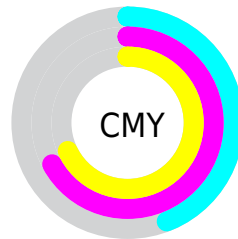
- Red (56%)
- Green (33%)
- Blue (32%)



- Red (56%)
- Yellow (33%)
- Blue (32%)



- Cyan (0%)
- Magenta (41%)
- Yellow (43%)
- Black (44%)



- Cyan (44%)
- Magenta (67%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9458, 0.4162, 0.3347 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 12.9458, 0.4162, 0.3347 by changing the saturation by 10% instead.


 12.9458, 0.4162,
0.3347

 12.9458, 0.4162,
0.3347


210.5700, 0.3530,
0.3331

 7.3912, 0.4376,
0.3340


 31.2064, 0.3896,
0.3347

 3.7080, 0.4697,
0.3317

 44.6812, 0.3808,
0.3345

 1.5116, 0.5253,
0.3265

 61.5648, 0.3738,
0.3342

 0.2969, 0.7436,
0.2564

 82.2418, 0.3681,
0.3340

 0.0000, 0.0000,
0.0000

 107.0964, 0.3634,
0.3337

136.5130, 0.3594,

0.3335

170.8761, 0.3560,
0.3333

■ 12.9458, 0.4162,
0.3347

■ 12.9458, 0.4162,
0.3347

■ 10.8117, 0.4548,
0.3359

■ 15.5379, 0.3835,
0.3333

■ 9.1073, 0.4983,
0.3366

■ 18.6104, 0.3565,
0.3319

■ 7.8038, 0.5437,
0.3367


■ 22.1867, 0.3346,
0.3306


■ 6.8686, 0.5857,
0.3358


■ 26.2878, 0.3168,
0.3293

■ 6.2636, 0.6179,
0.3341

■ 30.9339, 0.3024,
0.3282

 5.9913, 0.6353,
0.3338

 36.1438, 0.2907,
0.3271

 41.9355, 0.2811,
0.3262

 48.3263, 0.2731,
0.3253

 55.3327, 0.2666,
0.3245

Harmonies

Analogous

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



12.9458, 0.3752, 0.2926



12.9458, 0.4162, 0.3347



12.9458, 0.4256, 0.3788

Triad

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



12.9458, 0.4162, 0.3347



12.9458, 0.2996, 0.4158



12.9458, 0.2266, 0.2424

Complementary

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



12.9458, 0.4162, 0.3347



22.5307, 0.2555, 0.3231

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.



12.9458, 0.2109, 0.2649



12.9458, 0.4162, 0.3347



12.9458, 0.2501, 0.3669

Square

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



12.9458, 0.4162, 0.3347



12.9458, 0.3554, 0.4329



12.9458, 0.2188, 0.3093



12.9458, 0.2640, 0.2415

Rectangle

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



12.9458, 0.4162, 0.3347



12.9458, 0.4132, 0.4052



12.9458, 0.2188, 0.3093



12.9458, 0.2188, 0.2474

Sweetspot

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



12.9464, 0.4162, 0.3347



39.3091, 0.3359, 0.3307



13.7967, 0.3203, 0.2308



8.7032, 0.3400, 0.3309



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.9464, 0.4162, 0.3347



19.5611, 0.4525, 0.3358



18.6032, 0.3934, 0.3867



5.4640, 0.3280, 0.3301



5.3076, 0.6349, 0.3341



0.0575, 0.6117, 0.3525

Inverse Universe

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



22.5307, 0.2555, 0.3231



39.0306, 0.2458, 0.3216



15.0301, 0.2457, 0.2626



6.0715, 0.2991, 0.3279



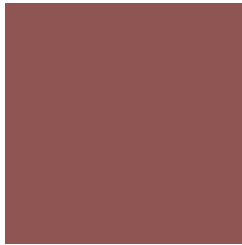
17.3238, 0.2206, 0.3140



0.1747, 0.2228, 0.3219

Previews

White Background



This preview shows how the Yxy color 12.9458, 0.4162, 0.3347 looks on a white background.

Color Contrast Check

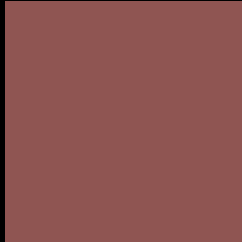
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9458, 0.4162, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

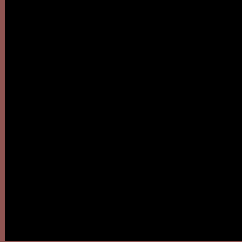
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9458, 0.4162, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 12.9458, 0.4162, 0.3347.



This preview shows how white text looks on a background with the Yxy color 12.9458, 0.4162, 0.3347.

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

12.9458, 0.4162, 0.3347

Protanopia

13.1097, 0.3354, 0.3534

Deuteranopia

12.9801, 0.3709, 0.3649



Tritanopia

13.0081, 0.4045, 0.3185

Trichromacy



Original Color

12.9458, 0.4162, 0.3347

Protanomaly

12.7945, 0.3628, 0.3459

Deuteranomaly

12.9348, 0.3864, 0.3532

Tritanomaly

12.9581, 0.4098, 0.3239

Monochromacy



Original Color

12.9458, 0.4162, 0.3347

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9739, 0.3468, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9458, 0.4162, 0.3347 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(143, 85, 82)` looks like.

```
.text, #text, p{  
  color:rgb(143, 85, 82)  
}
```

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(143, 85, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 85, 82) }
```

Border

The CSS property to change the border of an element to Yxy 12.9458, 0.4162, 0.3347 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(143, 85, 82) }
```

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

```
.border{ border-color:rgb(143, 85, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 85, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 85, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 85, 82);  
box-shadow:4px 4px 4px 4px rgb(143, 85,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9458, 0.4162, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 85, 82) }
```

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

```
.background{ background-color: rgb(143, 85,  
82) }
```

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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