

Converting Colors

$Y_{xy}(13.0258, 0.4128, 0.3897)$

Have a look what the booklet for
Yxy(13.0258, 0.4128, 0.3897)
contains.

Yxy(13.0666, 0.4112, 0.3902)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0666, 0.4112, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	7F5F40
RGB	127, 95, 64
RGB Percent	50%, 37%, 25%
CMY	0.5020, 0.6274, 0.7489
CMYK	0.00, 0.25, 0.50, 0.50
HSL	30°, 33%, 37%
HSV	30°, 50%, 50%
XYZ	13.7698, 13.0666, 6.6505
YIQ	101.0340, 29.0230, -2.8570

Conversions

Conversions Part 2

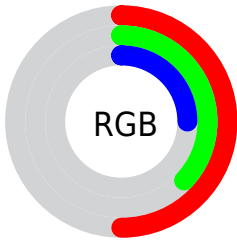
Format	Color
R_{YB}	127, 125, 64
Decimal	8347456
CIE _{Lab}	42.86, 8.88, 22.72
CIE _{LCh}	43, 24.399, 68.653
Yxy	13.0666, 0.4112, 0.3902
Android (android.graphics.Color)	4286537536 (0xFF7F5F40)
YUV	101.0340, -18.2578, 22.7722
Hunter-Lab	36.1478, 4.7377, 14.3952

Details

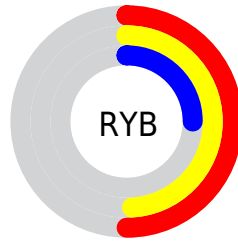
The Yxy color **13.0666, 0.4112, 0.3902** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.9912, 0.2368, 0.2569**, and the grayscale version is **13.0663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2444, 0.3867, 0.3764**, and **3.7836, 0.4591, 0.4131** is the 20% darker color. If you saturate the color by 10%, you get **11.8240, 0.4372, 0.4010**, and if you desaturate by 10%, it is **14.4396, 0.3869, 0.3780**.

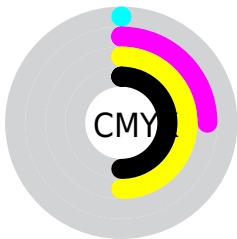
Distribution



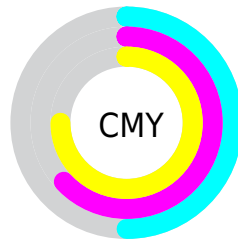
- Red (50%)
- Green (37%)
- Blue (25%)



- Red (50%)
- Yellow (49%)
- Blue (25%)



- Cyan (0%)
- Magenta (25%)
- Yellow (50%)
- Black (50%)





- Cyan (50%)
- Magenta (63%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0666, 0.4112, 0.3902 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 13.0666, 0.4112, 0.3902 by changing the saturation by 10% instead.


 13.0666, 0.4112,
0.3902

 13.0666, 0.4112,
0.3902


211.3441, 0.3519,
0.3552


 7.4744, 0.4304,
0.4000


 31.4234, 0.3866,
0.3765


 3.7605, 0.4578,
0.4125

 44.9568, 0.3784,
0.3716

 1.5405, 0.5389,
0.4611

 61.9060, 0.3717,
0.3677

 0.3170, 0.6204,
0.3796

 82.6555, 0.3663,
0.3643

 0.0000, 0.0000,
0.0000

 107.5897, 0.3618,
0.3615

 137.0929, 0.3580,

0.3591

171.5496, 0.3547,
0.3571

■ 13.0666, 0.4112,
0.3902

■ 13.0666, 0.4112,
0.3902

■ 11.8240, 0.4372,
0.4010

■ 14.4396, 0.3869,
0.3780

■ 10.7055, 0.4640,
0.4093

■ 15.9456, 0.3648,
0.3653

■ 9.7066, 0.4904,
0.4140

■ 17.5890, 0.3450,
0.3525

■ 8.8219, 0.5148,
0.4142

■ 19.3739, 0.3275,
0.3402

■ 8.0398, 0.5374,
0.4108

■ 21.3039, 0.3121,
0.3285

■ 8.0091, 0.5384,
0.4107

■ 23.3825, 0.2987,
0.3176

■ 25.6131, 0.2869,
0.3075

■ 27.9990, 0.2766,
0.2982

■ 30.5432, 0.2676,
0.2896

Harmonies

Analogous

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



13.0666, 0.4145, 0.3510



13.0666, 0.4112, 0.3902



13.0666, 0.3803, 0.4180

Triad

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



13.0666, 0.4112, 0.3902



13.0666, 0.2416, 0.3430



13.0666, 0.2862, 0.2527

Complementary

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



13.0666, 0.4112, 0.3902



10.9912, 0.2368, 0.2569

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.



13.0666, 0.2446, 0.2465



13.0666, 0.4112, 0.3902



13.0666, 0.2206, 0.2934

Square

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



13.0666, 0.4112, 0.3902



13.0666, 0.2819, 0.3930



13.0666, 0.2218, 0.2597



13.0666, 0.3387, 0.2755

Rectangle

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



13.0666, 0.4112, 0.3902



13.0666, 0.3496, 0.4238



13.0666, 0.2218, 0.2597



13.0666, 0.2706, 0.2487

Sweetspot

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



13.0672, 0.4112, 0.3902



32.8214, 0.3373, 0.3473



9.0360, 0.3738, 0.2655



7.5533, 0.3405, 0.3495



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.0672, 0.4112, 0.3902



20.7905, 0.4421, 0.4027



19.7892, 0.3833, 0.4428



4.6664, 0.3267, 0.3396



8.0755, 0.5385, 0.4106



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9912, 0.2368, 0.2569



16.5938, 0.2197, 0.2357



6.4122, 0.2230, 0.1824



4.5446, 0.2993, 0.3181



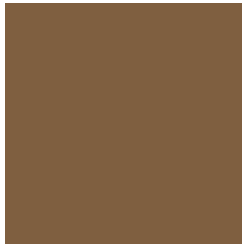
5.2998, 0.1793, 0.1656



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.0666, 0.4112, 0.3902 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 13.0666, 0.4112, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

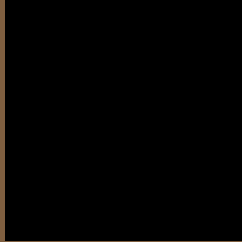
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0666, 0.4112, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 13.0666, 0.4112, 0.3902.



This preview shows how white text looks on a background with the Yxy color 13.0666, 0.4112, 0.3902.

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

13.0666, 0.4112, 0.3902

Protanopia

13.0276, 0.3744, 0.4032

Deuteranopia

13.1305, 0.4029, 0.3957



Tritanopia

13.1098, 0.3647, 0.3155

Trichromacy



Original Color

13.0666, 0.4112, 0.3902

Protanomaly

13.0300, 0.3870, 0.3987

Deuteranomaly

13.0210, 0.4055, 0.3934

Tritanomaly

12.9933, 0.3822, 0.3410

Monochromacy



Original Color

13.0666, 0.4112, 0.3902

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9433, 0.3452, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0666, 0.4112, 0.3902 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(127, 95, 64)` looks like.

```
.text, #text, p{  
    color:rgb(127, 95, 64)  
}
```

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(127, 95, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 95, 64) }
```

Border

The CSS property to change the border of an element to Yxy 13.0666, 0.4112, 0.3902 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(127, 95, 64) }
```

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

```
.border{ border-color:rgb(127, 95, 64) }
```

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

Here you see how a box with a 4 pixel rgb(127, 95, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 95, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 95, 64);  
box-shadow:4px 4px 4px 4px rgb(127, 95,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0666, 0.4112, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 95, 64) }
```

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

```
.background{ background-color: rgb(127, 95,  
64) }
```

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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