

Converting Colors

$Y_{xy}(13.8549, 0.4709, 0.3791)$

Have a look what the booklet for
Yxy(13.8549, 0.4709, 0.3791)
contains.

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Color

Yxy(13.8742, 0.4710, 0.3786)

Conversions

Conversions Part 1

Format	Color
Hex	995738
RGB	153, 87, 56
RGB Percent	60%, 34%, 22%
CMY	0.4000, 0.6588, 0.7803
CMYK	0.00, 0.43, 0.63, 0.40
HSL	19°, 46%, 41%
HSV	19°, 63%, 60%
XYZ	17.2603, 13.8742, 5.5116
YIQ	103.2000, 49.2870, 4.3510

Conversions

Conversions Part 2

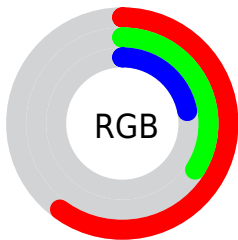
Format	Color
R_{YB}	153, 102, 56
Decimal	10049336
CIE Lab	44.05, 24.30, 29.55
CIE LCh	44, 38.261, 50.574
Yxy	13.8742, 0.4710, 0.3786
Android (android.graphics.Color)	4288239416 (0xFF995738)
YUV	103.2000, -23.2696, 43.6746
Hunter-Lab	37.2481, 17.5305, 17.3006

Details

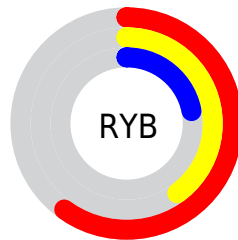
The Yxy color **13.8742, 0.4710, 0.3786** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.0666, 0.2238, 0.2663**, and the grayscale version is **13.6730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0253, 0.4324, 0.3714**, and **4.0855, 0.5392, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **12.1811, 0.5064, 0.3817**, and if you desaturate by 10%, it is **15.8578, 0.4371, 0.3727**.

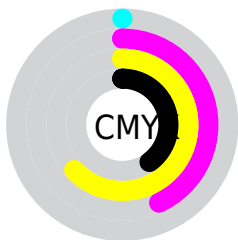
Distribution



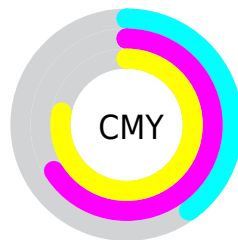
- Red (60%)
- Green (34%)
- Blue (22%)



- Red (60%)
- Yellow (40%)
- Blue (22%)



- Cyan (0%)
- Magenta (43%)
- Yellow (63%)
- Black (40%)




- Cyan (40%)
- Magenta (66%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8742, 0.4710, 0.3786 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 13.8742, 0.4710, 0.3786 by changing the saturation by 10% instead.


 13.8742, 0.4710,
0.3786


 13.8742, 0.4710,
0.3786


216.4468, 0.3767,
0.3548


 8.0332, 0.4999,
0.3819


 32.8656, 0.4327,
0.3712


 4.1162, 0.5399,
0.3827

 46.7849, 0.4195,
0.3679


 1.7388, 0.6142,
0.3858

 64.1657, 0.4089,
0.3650

 0.4486, 0.6971,
0.3029

 85.3925, 0.4001,
0.3624

 0.0000, 0.0000,
0.0000

 110.8496, 0.3928,
0.3602

 140.9214, 0.3866,

0.3582

175.9923, 0.3813,
0.3564

■ 13.8742, 0.4710,
0.3786

■ 13.8742, 0.4710,
0.3786

■ 12.1811, 0.5064,
0.3817

■ 15.8578, 0.4371,
0.3727

■ 10.7617, 0.5407,
0.3809

■ 18.1432, 0.4062,
0.3650

■ 9.6003, 0.5708,
0.3754

■ 20.7438, 0.3788,
0.3566

■ 8.9594, 0.5888,
0.3707

■ 23.6714, 0.3552,
0.3480

■ 26.9372, 0.3351,
0.3395

■ 30.5518, 0.3179,
0.3316

■ 34.5255, 0.3034,
0.3242

■ 38.8679, 0.2911,
0.3173

■ 43.5884, 0.2806,
0.3111

Harmonies

Analogous

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



13.8742, 0.4495, 0.3206



13.8742, 0.4710, 0.3786



13.8742, 0.4439, 0.4347

Triad

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



13.8742, 0.4710, 0.3786



13.8742, 0.2374, 0.4008



13.8742, 0.2324, 0.2100

Complementary

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



13.8742, 0.4710, 0.3786



17.0666, 0.2238, 0.2663

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.



13.8742, 0.1899, 0.2151



13.8742, 0.4710, 0.3786



13.8742, 0.1913, 0.3146

Square

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



13.8742, 0.4710, 0.3786



13.8742, 0.3075, 0.4654



13.8742, 0.1759, 0.2488



13.8742, 0.3012, 0.2291

Rectangle

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



13.8742, 0.4710, 0.3786



13.8742, 0.4059, 0.4638



13.8742, 0.1759, 0.2488



13.8742, 0.2151, 0.2088

Sweetspot

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



13.8749, 0.4710, 0.3786



44.6620, 0.3467, 0.3445



11.0154, 0.3707, 0.2258



9.5304, 0.3522, 0.3468



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



13.8749, 0.4710, 0.3786



20.7097, 0.5208, 0.3819



24.4498, 0.4155, 0.4505



6.5288, 0.3276, 0.3362



7.4588, 0.5875, 0.3717



0.1721, 0.5151, 0.4292

Inverse Universe

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



17.0666, 0.2238, 0.2663



26.7496, 0.2100, 0.2495



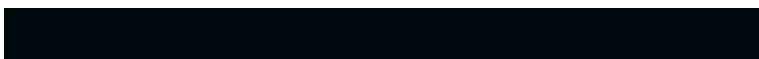
8.0120, 0.2004, 0.1635



6.6936, 0.2989, 0.3217



10.1664, 0.1955, 0.2237



0.2168, 0.2098, 0.2753

Previews

White Background



This preview shows how the Yxy color 13.8742, 0.4710, 0.3786 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 13.8742, 0.4710, 0.3786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

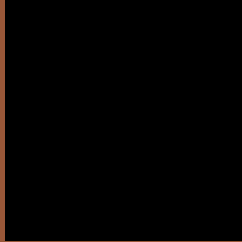
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8742, 0.4710, 0.3786

Background



This preview shows how black text looks on a background with the Yxy color 13.8742, 0.4710, 0.3786.



This preview shows how white text looks on a background with the Yxy color 13.8742, 0.4710, 0.3786.

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

13.8742, 0.4710, 0.3786

Protanopia

14.0958, 0.3857, 0.4185

Deuteranopia

14.0385, 0.4240, 0.4176



Tritanopia

13.8763, 0.4238, 0.3194

Trichromacy



Original Color

13.8742, 0.4710, 0.3786

Protanomaly

13.7287, 0.4170, 0.4021

Deuteranomaly

13.8540, 0.4423, 0.4021

Tritanomaly

13.7465, 0.4424, 0.3410

Monochromacy



Original Color

13.8742, 0.4710, 0.3786

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2862, 0.3665, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8742, 0.4710, 0.3786 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(153, 87, 56)` looks like.

```
.text, #text, p{  
    color:rgb(153, 87, 56)  
}
```

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(153, 87, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 87, 56) }
```

Border

The CSS property to change the border of an element to Yxy 13.8742, 0.4710, 0.3786 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(153, 87, 56) }
```

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

```
.border{ border-color:rgb(153, 87, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 87, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 87, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 87, 56);  
box-shadow:4px 4px 4px 4px rgb(153, 87,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8742, 0.4710, 0.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 87, 56) }
```

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

```
.background{ background-color: rgb(153, 87,  
56) }
```

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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