

Converting Colors

$Y_{xy}(13.7565, 0.4655, 0.3874)$

Have a look what the booklet for
Yxy(13.7565, 0.4655, 0.3874)
contains.

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Color

Yxy(13.7070, 0.4644, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	945936
RGB	148, 89, 54
RGB Percent	58%, 35%, 21%
CMY	0.4196, 0.6510, 0.7882
CMYK	0.00, 0.40, 0.64, 0.42
HSL	22°, 47%, 40%
HSV	22°, 64%, 58%
XYZ	16.4527, 13.7070, 5.2681
YIQ	102.6510, 46.3990, 1.6230

Conversions

Conversions Part 2

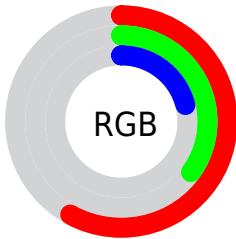
Format	Color
R _Y B	148, 110, 54
Decimal	9722166
CIE Lab	43.81, 20.86, 30.24
CIE LCh	44, 36.737, 55.409
Yxy	13.7070, 0.4644, 0.3869
Android (android.graphics.Color)	4287912246 (0xFF945936)
YUV	102.6510, -23.9849, 39.7711
Hunter-Lab	37.0230, 14.5335, 17.4795

Details

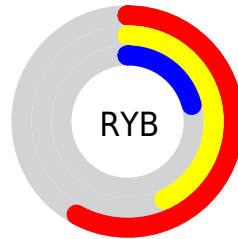
The Yxy color **13.7070, 0.4644, 0.3869** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.7358, 0.2214, 0.2554**, and the grayscale version is **13.5222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4037, 0.4275, 0.3764**, and **4.0028, 0.5316, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **12.1393, 0.4972, 0.3911**, and if you desaturate by 10%, it is **15.5137, 0.4327, 0.3798**.

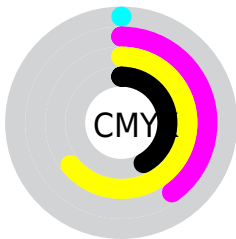
Distribution



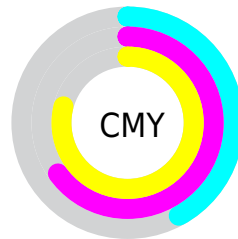
- Red (58%)
- Green (35%)
- Blue (21%)



- Red (58%)
- Yellow (43%)
- Blue (21%)



- Cyan (0%)
- Magenta (40%)
- Yellow (64%)
- Black (42%)





- Cyan (42%)
- Magenta (65%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7070, 0.4644, 0.3869 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 13.7070, 0.4644, 0.3869 by changing the saturation by 10% instead.


 13.7070, 0.4644,
0.3869


 13.7070, 0.4644,
0.3869


215.4004, 0.3741,
0.3578

 7.9172, 0.4920,
0.3920


 32.5682, 0.4277,
0.3772


 4.0420, 0.5304,
0.3956

 46.4084, 0.4151,
0.3732


 1.6971, 0.5988,
0.4012

 63.7008, 0.4050,
0.3697

 0.4218, 0.6837,
0.3163

 84.8299, 0.3966,
0.3666

 0.0000, 0.0000,
0.0000

 110.1800, 0.3896,
0.3640

 140.1355, 0.3836,

0.3616

175.0808, 0.3785,
0.3596

■ 13.7070, 0.4644,
0.3869

■ 13.7070, 0.4644,
0.3869

■ 12.1393, 0.4972,
0.3911

■ 15.5137, 0.4327,
0.3798

■ 10.7971, 0.5290,
0.3912

■ 17.5675, 0.4036,
0.3708

■ 9.6689, 0.5573,
0.3865

■ 19.8789, 0.3775,
0.3610

■ 9.0392, 0.5744,
0.3821

■ 22.4569, 0.3547,
0.3511

■ 25.3102, 0.3350,
0.3413

■ 28.4468, 0.3181,
0.3321

■ 31.8748, 0.3036,
0.3235

■ 35.6015, 0.2912,
0.3155

■ 39.6342, 0.2806,
0.3082

Harmonies

Analogous

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



13.7070, 0.4513, 0.3302



13.7070, 0.4644, 0.3869



13.7070, 0.4322, 0.4395

Triad

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



13.7070, 0.4644, 0.3869



13.7070, 0.2310, 0.3848



13.7070, 0.2442, 0.2150

Complementary

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



13.7070, 0.4644, 0.3869



14.7358, 0.2214, 0.2554

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.



13.7070, 0.1984, 0.2161



13.7070, 0.4644, 0.3869



13.7070, 0.1907, 0.3033

Square

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



13.7070, 0.4644, 0.3869



13.7070, 0.2963, 0.4532



13.7070, 0.1803, 0.2443



13.7070, 0.3143, 0.2371

Rectangle

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



13.7070, 0.4644, 0.3869



13.7070, 0.3929, 0.4641



13.7070, 0.1803, 0.2443



13.7070, 0.2260, 0.2126

Sweetspot

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



13.7077, 0.4644, 0.3869



41.6405, 0.3462, 0.3470



10.1396, 0.3799, 0.2328



9.2114, 0.3515, 0.3496



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.



13.7077, 0.4644, 0.3869



20.4217, 0.5102, 0.3917



24.0248, 0.4107, 0.4565



6.1480, 0.3274, 0.3373



7.7684, 0.5733, 0.3830



0.1483, 0.5014, 0.4401

Inverse Universe

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



14.7358, 0.2214, 0.2554



22.2820, 0.2065, 0.2358



6.8817, 0.1983, 0.1543



6.2029, 0.2989, 0.3206



8.5519, 0.1904, 0.2054



0.1613, 0.2075, 0.2671

Previews

White Background



This preview shows how the Yxy color 13.7070, 0.4644, 0.3869 looks on a white background.

Color Contrast Check

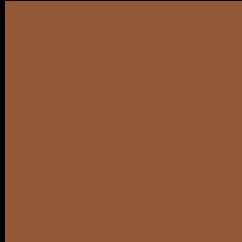
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7070, 0.4644, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

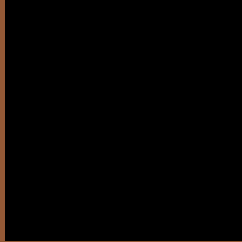
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7070, 0.4644, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 13.7070, 0.4644, 0.3869.



This preview shows how white text looks on a background with the Yxy color 13.7070, 0.4644, 0.3869.

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

13.7070, 0.4644, 0.3869

Protanopia

13.7938, 0.3889, 0.4231

Deuteranopia

13.7608, 0.4249, 0.4181



Tritanopia

13.7364, 0.4113, 0.3190

Trichromacy



Original Color

13.7070, 0.4644, 0.3869

Protanomaly

13.6547, 0.4153, 0.4108

Deuteranomaly

13.5924, 0.4391, 0.4053

Tritanomaly

13.5952, 0.4315, 0.3431

Monochromacy



Original Color

13.7070, 0.4644, 0.3869

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.3132, 0.3643, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7070, 0.4644, 0.3869 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(148, 89, 54)` looks like.

```
.text, #text, p{  
  color:rgb(148, 89, 54)  
}
```

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(148, 89, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 89, 54) }
```

Border

The CSS property to change the border of an element to Yxy 13.7070, 0.4644, 0.3869 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(148, 89, 54) }
```

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

```
.border{ border-color:rgb(148, 89, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 89, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 89, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 89, 54);  
box-shadow:4px 4px 4px 4px rgb(148, 89,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7070, 0.4644, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 89, 54) }
```

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

```
.background{ background-color: rgb(148, 89,  
54) }
```

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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