

Converting Colors

$Y_{xy}(13.9962, 0.4942, 0.4030)$

Have a look what the booklet for
Yxy(13.9962, 0.4942, 0.4030)
contains.

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Color

Yxy(13.9830, 0.4945, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	9A5825
RGB	154, 88, 37
RGB Percent	60%, 35%, 15%
CMY	0.3961, 0.6549, 0.8548
CMYK	0.00, 0.43, 0.76, 0.40
HSL	26°, 61%, 37%
HSV	26°, 76%, 60%
XYZ	17.1493, 13.9830, 3.5478
YIQ	101.9200, 55.7070, -1.8690

Conversions

Conversions Part 2

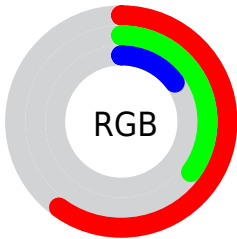
Format	Color
RYB	154, 127, 37
Decimal	10115109
CIELab	44.21, 23.02, 39.93
CIELCh	44, 46.087, 60.040
Yxy	13.9830, 0.4945, 0.4032
Android (android.graphics.Color)	4288305189 (0xFF9A5825)
YUV	101.9200, -32.0056, 45.6742
Hunter-Lab	37.3938, 16.4231, 20.5505

Details

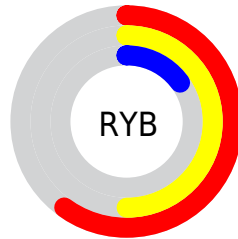
The Yxy color **13.9830, 0.4945, 0.4032** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.4299, 0.2035, 0.2210**, and the grayscale version is **13.3407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9790, 0.4539, 0.3922**, and **4.1825, 0.5546, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **12.5641, 0.5227, 0.4033**, and if you desaturate by 10%, it is **15.6142, 0.4647, 0.3986**.

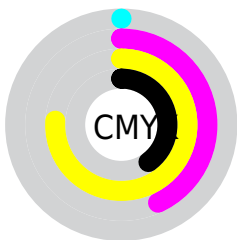
Distribution



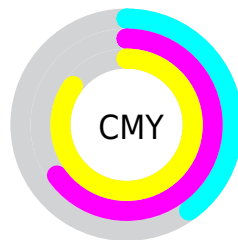
- Red (60%)
- Green (35%)
- Blue (15%)



- Red (60%)
- Yellow (50%)
- Blue (15%)



- Cyan (0%)
- Magenta (43%)
- Yellow (76%)
- Black (40%)





- Cyan (40%)
- Magenta (65%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9830, 0.4945, 0.4032 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 13.9830, 0.4945, 0.4032 by changing the saturation by 10% instead.


 13.9830, 0.4945,
0.4032


 13.9830, 0.4945,
0.4032


217.1250, 0.3889,
0.3684


 8.1088, 0.5238,
0.4069


 33.0589, 0.4531,
0.3929


 4.1647, 0.5728,
0.4146

 47.0294, 0.4384,
0.3881

 1.7661, 0.6077,
0.3923

 64.4674, 0.4263,
0.3838

 0.4659, 0.6855,
0.3145

 85.7574, 0.4162,
0.3799

 0.0000, 0.0000,
0.0000

 111.2838, 0.4077,
0.3765

 141.4309, 0.4005,

0.3735

176.5832, 0.3943,
0.3708

13.9830, 0.4945,
0.4032

13.9830, 0.4945,
0.4032

12.5641, 0.5227,
0.4033

15.6142, 0.4647,
0.3986

11.3428, 0.5474,
0.3983

17.4658, 0.4351,
0.3907

10.8975, 0.5571,
0.3958

19.5478, 0.4073,
0.3805

21.8688, 0.3818,
0.3693

24.4371, 0.3591,
0.3576

■ 27.2604, 0.3392,
0.3462

■ 30.3461, 0.3219,
0.3352

■ 33.7011, 0.3069,
0.3249

■ 37.3322, 0.2939,
0.3154

Harmonies

Analogous

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



13.9830, 0.4912, 0.3365



13.9830, 0.4945, 0.4032



13.9830, 0.4445, 0.4679

Triad

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



13.9830, 0.4945, 0.4032



13.9830, 0.2019, 0.3819



13.9830, 0.2399, 0.1955

Complementary

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



13.9830, 0.4945, 0.4032



12.4299, 0.2035, 0.2210

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.



13.9830, 0.1818, 0.1912



13.9830, 0.4945, 0.4032



13.9830, 0.1616, 0.2806

Square

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



13.9830, 0.4945, 0.4032



13.9830, 0.2756, 0.4787



13.9830, 0.1560, 0.2169



13.9830, 0.3284, 0.2249

Rectangle

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



13.9830, 0.4945, 0.4032



13.9830, 0.3931, 0.4993



13.9830, 0.1560, 0.2169



13.9830, 0.2168, 0.1911

Sweetspot

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



13.9837, 0.4945, 0.4032



45.6316, 0.3539, 0.3548



9.1797, 0.4170, 0.2327



9.9494, 0.3611, 0.3587



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



13.9837, 0.4945, 0.4032



21.2652, 0.5400, 0.4003



27.6206, 0.4175, 0.4811



6.6435, 0.3273, 0.3387



8.9484, 0.5558, 0.3969



0.2043, 0.4897, 0.4494

Inverse Universe

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



12.4299, 0.2035, 0.2210



18.1769, 0.1888, 0.1933



4.5904, 0.1744, 0.1063



6.5754, 0.2989, 0.3191



7.5104, 0.1842, 0.1831



0.1846, 0.2032, 0.2515

Previews

White Background



This preview shows how the Yxy color 13.9830, 0.4945, 0.4032 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 13.9830, 0.4945, 0.4032 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 13.9830, 0.4945, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 13.9830, 0.4945, 0.4032.



This preview shows how white text looks on a background with the Yxy color 13.9830, 0.4945, 0.4032.

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

13.9830, 0.4945, 0.4032

Protanopia

14.0522, 0.4119, 0.4520

Deuteranopia

14.1297, 0.4499, 0.4431



Tritanopia

14.0759, 0.4268, 0.3195

Trichromacy



Original Color

13.9830, 0.4945, 0.4032

Protanomaly

13.8227, 0.4417, 0.4346

Deuteranomaly

14.0567, 0.4666, 0.4290

Tritanomaly

14.0071, 0.4560, 0.3536

Monochromacy



Original Color

13.9830, 0.4945, 0.4032

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.1644, 0.3788, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9830, 0.4945, 0.4032 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(154, 88, 37)` looks like.

```
.text, #text, p{  
    color:rgb(154, 88, 37)  
}
```

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(154, 88, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 88, 37) }
```

Border

The CSS property to change the border of an element to Yxy 13.9830, 0.4945, 0.4032 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(154, 88, 37) }
```

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

```
.border{ border-color:rgb(154, 88, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 88, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 88, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 88, 37);  
box-shadow:4px 4px 4px 4px rgb(154, 88,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9830, 0.4945, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 88, 37) }
```

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

```
.background{ background-color: rgb(154, 88,  
37) }
```

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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