

Converting Colors

$Y_{xy}(13.6445, 0.4924, 0.3751)$

Have a look what the booklet for
Yxy(13.6445, 0.4924, 0.3751)
contains.

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Color

Yxy(13.6445, 0.4924, 0.3751)

Conversions

Conversions Part 1

Format	Color
Hex	9F5233
RGB	159, 82, 51
RGB Percent	62%, 32%, 20%
CMY	0.3765, 0.6784, 0.8001
CMYK	0.00, 0.48, 0.68, 0.38
HSL	17°, 51%, 41%
HSV	17°, 68%, 62%
XYZ	17.9114, 13.6445, 4.8198
YIQ	101.4890, 55.8430, 6.6830

Conversions

Conversions Part 2

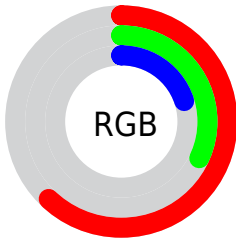
Format	Color
R _Y B	159, 94, 51
Decimal	10441267
CIE Lab	43.72, 29.25, 32.21
CIE LCh	44, 43.514, 47.760
Yxy	13.6445, 0.4924, 0.3751
Android (android.graphics.Color)	4288631347 (0xFF9F5233)
YUV	101.4890, -24.8911, 50.4371
Hunter-Lab	36.9385, 21.9119, 18.1207

Details

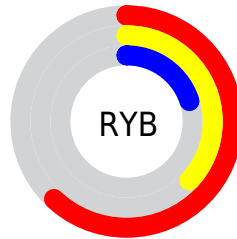
The Yxy color **13.6445, 0.4924, 0.3751** is a dark color, and the websafe version is hex **996633**, and the color name is **red ochre color (taisha-iro)**. A complement of this color would be **18.6355, 0.2205, 0.2679**, and the grayscale version is **13.2025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5623, 0.4498, 0.3708**, and **3.9798, 0.5708, 0.3737** is the 20% darker color. If you saturate the color by 10%, you get **11.9577, 0.5292, 0.3759**, and if you desaturate by 10%, it is **15.6630, 0.4560, 0.3710**.

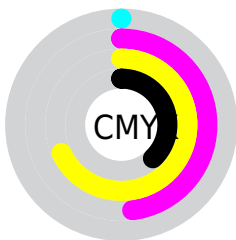
Distribution



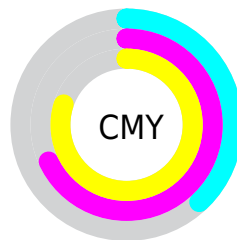
- Red (62%)
- Green (32%)
- Blue (20%)



- Red (62%)
- Yellow (37%)
- Blue (20%)



- Cyan (0%)
- Magenta (48%)
- Yellow (68%)
- Black (38%)





- Cyan (38%)
- Magenta (68%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6445, 0.4924, 0.3751 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 13.6445, 0.4924, 0.3751 by changing the saturation by 10% instead.

 13.6445, 0.4924,
0.3751

 13.6445, 0.4924,
0.3751


215.0079, 0.3856,
0.3552


 7.8738, 0.5245,
0.3759


 32.4569, 0.4493,
0.3699


 4.0143, 0.5699,
0.3736

 46.2674, 0.4344,
0.3672


 1.6816, 0.6379,
0.3621

 63.5267, 0.4223,
0.3647

 0.4117, 0.7336,
0.2664

 84.6191, 0.4123,
0.3623

 0.0000, 1.0000,
0.0000

 109.9290, 0.4040,
0.3602

 0.0000, 0.0000,
0.0000

 139.8408, 0.3969,

0.3584

174.7390, 0.3909,
0.3567

■ 13.6445, 0.4924,
0.3751

■ 13.6445, 0.4924,
0.3751

■ 11.9577, 0.5292,
0.3759

■ 15.6630, 0.4560,
0.3710

■ 10.5815, 0.5632,
0.3726

■ 18.0283, 0.4223,
0.3648

■ 9.4924, 0.5917,
0.3654

■ 20.7572, 0.3923,
0.3575

■ 9.2985, 0.5973,
0.3639

■ 23.8647, 0.3663,
0.3497

■ 27.3647, 0.3442,
0.3419

■ 31.2707, 0.3255,
0.3345

■ 35.5954, 0.3097,
0.3276

■ 40.3509, 0.2964,
0.3212

■ 45.5488, 0.2851,
0.3154

Harmonies

Analogous

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



13.6445, 0.4638, 0.3118



13.6445, 0.4924, 0.3751



13.6445, 0.4640, 0.4393

Triad

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



13.6445, 0.4924, 0.3751



13.6445, 0.2329, 0.4211



13.6445, 0.2163, 0.1957

Complementary

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



13.6445, 0.4924, 0.3751



18.6355, 0.2205, 0.2679

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.



13.6445, 0.1730, 0.2031



13.6445, 0.4924, 0.3751



13.6445, 0.1795, 0.3197

Square

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



13.6445, 0.4924, 0.3751



13.6445, 0.3126, 0.4912



13.6445, 0.1604, 0.2424



13.6445, 0.2906, 0.2146

Rectangle

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



13.6445, 0.4924, 0.3751



13.6445, 0.4222, 0.4760



13.6445, 0.1604, 0.2424



13.6445, 0.1984, 0.1951

Sweetspot

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



13.6452, 0.4924, 0.3751



47.4126, 0.3493, 0.3438



11.3052, 0.3701, 0.2157



10.3097, 0.3550, 0.3459



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



13.6452, 0.4924, 0.3751



19.9644, 0.5489, 0.3746



25.1019, 0.4262, 0.4525



6.9411, 0.3277, 0.3355



7.4092, 0.5957, 0.3652



0.1995, 0.5261, 0.4205

Inverse Universe

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



18.6355, 0.2205, 0.2679



29.2978, 0.2074, 0.2513



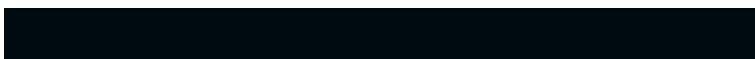
8.1557, 0.1938, 0.1566



7.1872, 0.2988, 0.3224



11.4364, 0.1986, 0.2348



0.2725, 0.2102, 0.2768

Previews

White Background



This preview shows how the Yxy color 13.6445, 0.4924, 0.3751 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 13.6445, 0.4924, 0.3751 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 13.6445, 0.4924, 0.3751

Background



This preview shows how black text looks on a background with the Yxy color 13.6445, 0.4924, 0.3751.



This preview shows how white text looks on a background with the Yxy color 13.6445, 0.4924, 0.3751.

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

13.6445, 0.4924, 0.3751

Protanopia

13.7835, 0.3901, 0.4250

Deuteranopia

13.7960, 0.4325, 0.4253



Tritanopia

13.6659, 0.4454, 0.3200

Trichromacy



Original Color

13.6445, 0.4924, 0.3751

Protanomaly

13.3874, 0.4276, 0.4066

Deuteranomaly

13.6176, 0.4556, 0.4065

Tritanomaly

13.5334, 0.4643, 0.3403

Monochromacy



Original Color

13.6445, 0.4924, 0.3751

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.7675, 0.3745, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6445, 0.4924, 0.3751 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(159, 82, 51)` looks like.

```
.text, #text, p{  
  color:rgb(159, 82, 51)  
}
```

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(159, 82, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 82, 51) }
```

Border

The CSS property to change the border of an element to Yxy 13.6445, 0.4924, 0.3751 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(159, 82, 51) }
```

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

```
.border{ border-color:rgb(159, 82, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 82, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 82, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 82, 51);  
box-shadow:4px 4px 4px 4px rgb(159, 82,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6445, 0.4924, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 82, 51) }
```

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

```
.background{ background-color: rgb(159, 82,  
51) }
```

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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