

Converting Colors

$Y_{xy}(13.5287, 0.4221, 0.3934)$

Have a look what the booklet for
Yxy(13.5287, 0.4221, 0.3934)
contains.

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Color

Yxy(13.6191, 0.4210, 0.3936)

Conversions

Conversions Part 1

Format	Color
Hex	84603E
RGB	132, 96, 62
RGB Percent	52%, 38%, 24%
CMY	0.4824, 0.6235, 0.7569
CMYK	0.00, 0.27, 0.53, 0.48
HSL	29°, 36%, 38%
HSV	29°, 53%, 52%
XYZ	14.5672, 13.6191, 6.4151
YIQ	102.8880, 32.3700, -2.9420

Conversions

Conversions Part 2

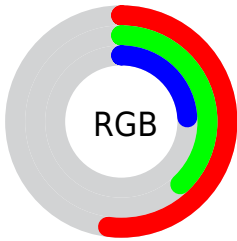
Format	Color
RYB	132, 128, 62
Decimal	8675390
CIELab	43.68, 10.33, 25.08
CIELCh	44, 27.120, 67.613
Yxy	13.6191, 0.4210, 0.3936
Android (android.graphics.Color)	4286865470 (0xFF84603E)
YUV	102.8880, -20.1578, 25.5312
Hunter-Lab	36.9041, 5.8774, 15.5264

Details

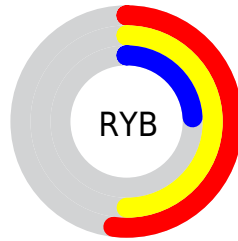
The Yxy color **13.6191, 0.4210, 0.3936** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.4185, 0.2315, 0.2514**, and the grayscale version is **13.5801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5580, 0.3944, 0.3805**, and **4.0304, 0.4700, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **12.3069, 0.4477, 0.4035**, and if you desaturate by 10%, it is **15.0747, 0.3958, 0.3819**.

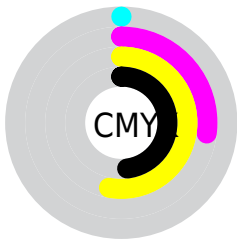
Distribution



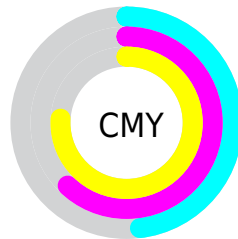
- Red (52%)
- Green (38%)
- Blue (24%)



- Red (52%)
- Yellow (50%)
- Blue (24%)



- Cyan (0%)
- Magenta (27%)
- Yellow (53%)
- Black (48%)





- Cyan (48%)
- Magenta (62%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6191, 0.4210, 0.3936 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 13.6191, 0.4210, 0.3936 by changing the saturation by 10% instead.


 13.6191, 0.4210,
0.3936


 13.6191, 0.4210,
0.3936

214.8482, 0.3563,
0.3574


 7.8562, 0.4414,
0.4032


 32.4116, 0.3944,
0.3797


 4.0031, 0.4702,
0.4149

 46.2101, 0.3854,
0.3747


 1.6753, 0.5454,
0.4546

 63.4558, 0.3782,
0.3705

 0.4076, 0.6108,
0.3892

 84.5333, 0.3722,
0.3670

 0.0000, 0.0000,
0.0000

 109.8269, 0.3672,
0.3641

 139.7210, 0.3630,

0.3615

174.5999, 0.3594,
0.3593

■ 13.6191, 0.4210,
0.3936

■ 13.6191, 0.4210,
0.3936

■ 12.3069, 0.4477,
0.4035

■ 15.0747, 0.3958,
0.3819

■ 11.1308, 0.4749,
0.4105

■ 16.6767, 0.3726,
0.3694

■ 10.0858, 0.5012,
0.4135

■ 18.4302, 0.3518,
0.3567

■ 9.1654, 0.5248,
0.4116

■ 20.3399, 0.3334,
0.3443

■ 8.5890, 0.5407,
0.4089

■ 22.4097, 0.3172,
0.3325

■ 24.6438, 0.3031,
0.3214

■ 27.0460, 0.2907,
0.3111

■ 29.6199, 0.2799,
0.3016

■ 32.3693, 0.2705,
0.2928

Harmonies

Analogous

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



13.6191, 0.4239, 0.3506



13.6191, 0.4210, 0.3936



13.6191, 0.3877, 0.4255

Triad

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



13.6191, 0.4210, 0.3936



13.6191, 0.2362, 0.3461



13.6191, 0.2816, 0.2458

Complementary

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



13.6191, 0.4210, 0.3936



11.4185, 0.2315, 0.2514

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.



13.6191, 0.2373, 0.2395



13.6191, 0.4210, 0.3936



13.6191, 0.2130, 0.2911

Square

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



13.6191, 0.4210, 0.3936



13.6191, 0.2804, 0.4014



13.6191, 0.2136, 0.2541



13.6191, 0.3389, 0.2698

Rectangle

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



13.6191, 0.4210, 0.3936



13.6191, 0.3543, 0.4333



13.6191, 0.2136, 0.2541



13.6191, 0.2649, 0.2415

Sweetspot

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



13.6198, 0.4210, 0.3936



34.6859, 0.3393, 0.3483



9.2328, 0.3805, 0.2612



7.9388, 0.3424, 0.3505



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



13.6198, 0.4210, 0.3936



21.1646, 0.4542, 0.4055



21.4395, 0.3879, 0.4501



5.0345, 0.3268, 0.3396



8.3274, 0.5405, 0.4091



0.0434, 0.4791, 0.4578

Inverse Universe

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



11.4185, 0.2315, 0.2514



16.8312, 0.2143, 0.2292



6.2604, 0.2156, 0.1701



4.9109, 0.2992, 0.3182



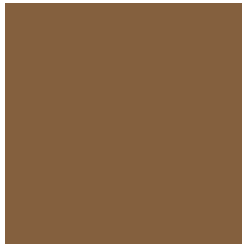
5.6091, 0.1798, 0.1672



0.0340, 0.2006, 0.2422

Previews

White Background



This preview shows how the Yxy color 13.6191, 0.4210, 0.3936 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 13.6191, 0.4210, 0.3936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

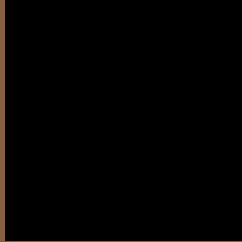
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6191, 0.4210, 0.3936

Background



This preview shows how black text looks on a background with the Yxy color 13.6191, 0.4210, 0.3936.



This preview shows how white text looks on a background with the Yxy color 13.6191, 0.4210, 0.3936.

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

13.6191, 0.4210, 0.3936

Protanopia

13.7930, 0.3795, 0.4117

Deuteranopia

13.6962, 0.4099, 0.4037



Tritanopia

13.6870, 0.3721, 0.3178

Trichromacy



Original Color

13.6191, 0.4210, 0.3936

Protanomaly

13.6706, 0.3944, 0.4047

Deuteranomaly

13.6615, 0.4141, 0.4008

Tritanomaly

13.5529, 0.3911, 0.3445

Monochromacy



Original Color

13.6191, 0.4210, 0.3936

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.3963, 0.3510, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6191, 0.4210, 0.3936 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(132, 96, 62)` looks like.

```
.text, #text, p{  
    color:rgb(132, 96, 62)  
}
```

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(132, 96, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 96, 62) }
```

Border

The CSS property to change the border of an element to Yxy 13.6191, 0.4210, 0.3936 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(132, 96, 62) }
```

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

```
.border{ border-color:rgb(132, 96, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 96, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 96, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 96, 62);  
box-shadow:4px 4px 4px 4px rgb(132, 96,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6191, 0.4210, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 96, 62) }
```

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

```
.background{ background-color: rgb(132, 96,  
62) }
```

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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