

Converting Colors

$Y_{xy}(13.1150, 0.4147, 0.3618)$

Have a look what the booklet for
Yxy(13.1150, 0.4147, 0.3618)
contains.

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Color

Yxy(13.1975, 0.4153, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	885B49
RGB	136, 91, 73
RGB Percent	53%, 36%, 29%
CMY	0.4667, 0.6431, 0.7137
CMYK	0.00, 0.33, 0.46, 0.47
HSL	17°, 30%, 41%
HSV	17°, 46%, 53%
XYZ	15.0948, 13.1975, 8.0544
YIQ	102.4030, 32.5980, 3.9420

Conversions

Conversions Part 2

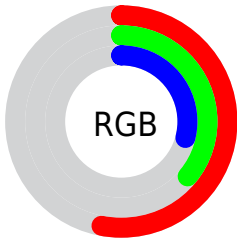
Format	Color
R_{YB}	136, 98, 73
Decimal	8936265
CIE Lab	43.06, 16.20, 17.87
CIE LCh	43, 24.122, 47.800
Yxy	13.1975, 0.4153, 0.3631
Android (android.graphics.Color)	4287126345 (0xFF885B49)
YUV	102.4030, -14.4957, 29.4646
Hunter-Lab	36.3284, 10.5939, 12.2845

Details

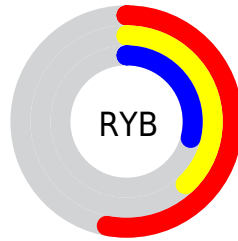
The Yxy color **13.1975, 0.4153, 0.3631** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.1422, 0.2463, 0.2909**, and the grayscale version is **13.4308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5313, 0.3891, 0.3553**, and **3.8503, 0.4668, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **11.4829, 0.4478, 0.3695**, and if you desaturate by 10%, it is **15.1677, 0.3865, 0.3557**.

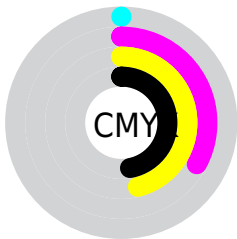
Distribution



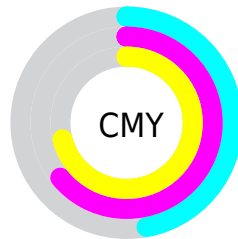
- Red (53%)
- Green (36%)
- Blue (29%)



- Red (53%)
- Yellow (38%)
- Blue (29%)



- Cyan (0%)
- Magenta (33%)
- Yellow (46%)
- Black (47%)





- Cyan (47%)
- Magenta (64%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1975, 0.4153, 0.3631 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 13.1975, 0.4153, 0.3631 by changing the saturation by 10% instead.

 13.1975, 0.4153,
0.3631


 13.1975, 0.4153,
0.3631


212.1796, 0.3530,
0.3447

 7.5647, 0.4360,
0.3676


 31.6581, 0.3893,
0.3563


 3.8177, 0.4665,
0.3726

 45.2548, 0.3806,
0.3537


 1.5721, 0.5315,
0.3882

 62.2748, 0.3737,
0.3516

 0.3387, 0.6793,
0.3207

 83.1026, 0.3680,
0.3498

 0.0000, 0.0000,
0.0000

 108.1226, 0.3633,
0.3482

137.7191, 0.3593,

0.3469

172.2767, 0.3559,
0.3457

■ 13.1975, 0.4153,
0.3631

■ 13.1975, 0.4153,
0.3631

■ 11.4829, 0.4478,
0.3695

■ 15.1677, 0.3865,
0.3557

■ 10.0111, 0.4833,
0.3741

■ 17.4015, 0.3617,
0.3481

■ 8.7711, 0.5198,
0.3759

■ 19.9093, 0.3405,
0.3405

■ 7.7504, 0.5545,
0.3737

■ 22.6999, 0.3226,
0.3333

■ 6.9332, 0.5845,
0.3677

■ 25.7822, 0.3074,
0.3266

■ 6.6770, 0.5953,
0.3656

■ 29.1642, 0.2946,
0.3204

■ 32.8539, 0.2838,
0.3147

■ 36.8589, 0.2746,
0.3095

■ 41.1865, 0.2667,
0.3048

Harmonies

Analogous

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



13.1975, 0.3972, 0.3225



13.1975, 0.4153, 0.3631



13.1975, 0.4030, 0.3995

Triad

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



13.1975, 0.4153, 0.3631



13.1975, 0.2686, 0.3783



13.1975, 0.2563, 0.2475

Complementary

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



13.1975, 0.4153, 0.3631



16.1422, 0.2463, 0.2909

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.



13.1975, 0.2277, 0.2546



13.1975, 0.4153, 0.3631



13.1975, 0.2340, 0.3269

Square

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



13.1975, 0.4153, 0.3631



13.1975, 0.3168, 0.4147



13.1975, 0.2199, 0.2818



13.1975, 0.3018, 0.2590

Rectangle

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



13.1975, 0.4153, 0.3631



13.1975, 0.3806, 0.4163



13.1975, 0.2199, 0.2818



13.1975, 0.2446, 0.2477

Sweetspot

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



13.1981, 0.4153, 0.3631



36.0467, 0.3366, 0.3390



11.3087, 0.3463, 0.2477



8.1400, 0.3403, 0.3404



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.1981, 0.4153, 0.3631



19.9922, 0.4509, 0.3700



19.7153, 0.3888, 0.4176



5.2665, 0.3274, 0.3353



6.3357, 0.5949, 0.3659



0.0646, 0.5224, 0.4234

Inverse Universe

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



16.1422, 0.2463, 0.2909



25.8343, 0.2329, 0.2801



9.9522, 0.2340, 0.2203



5.4509, 0.2991, 0.3226



9.8077, 0.1989, 0.2359



0.0902, 0.2122, 0.2837

Previews

White Background



This preview shows how the Yxy color 13.1975, 0.4153, 0.3631 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 13.1975, 0.4153, 0.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

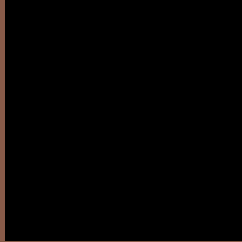
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1975, 0.4153, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 13.1975, 0.4153, 0.3631.



This preview shows how white text looks on a background with the Yxy color 13.1975, 0.4153, 0.3631.

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

13.1975, 0.4153, 0.3631

Protanopia

13.3040, 0.3567, 0.3817

Deuteranopia

13.3408, 0.3887, 0.3823



Tritanopia

13.2089, 0.3839, 0.3162

Trichromacy



Original Color

13.1975, 0.4153, 0.3631

Protanomaly

13.1791, 0.3779, 0.3750

Deuteranomaly

13.1643, 0.3991, 0.3749

Tritanomaly

13.1512, 0.3952, 0.3330

Monochromacy



Original Color

13.1975, 0.4153, 0.3631

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0681, 0.3474, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1975, 0.4153, 0.3631 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(136, 91, 73)` looks like.

```
.text, #text, p{  
    color:rgb(136, 91, 73)  
}
```

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(136, 91, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 91, 73) }
```

Border

The CSS property to change the border of an element to Yxy 13.1975, 0.4153, 0.3631 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(136, 91, 73) }
```

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

```
.border{ border-color:rgb(136, 91, 73) }
```

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

Here you see how a box with a 4 pixel rgb(136, 91, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 91, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 91, 73);  
box-shadow:4px 4px 4px 4px rgb(136, 91,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1975, 0.4153, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 91, 73) }
```

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

```
.background{ background-color: rgb(136, 91,  
73) }
```

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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