

Converting Colors

$Y_{xy}(13.7259, 0.4855, 0.3174)$

Have a look what the booklet for
Yxy(13.7259, 0.4855, 0.3174)
contains.

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Color

Yxy(13.7840, 0.4854, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	AF444D
RGB	175, 68, 77
RGB Percent	69%, 27%, 30%
CMY	0.3137, 0.7333, 0.6980
CMYK	0.00, 0.61, 0.56, 0.31
HSL	355°, 44%, 48%
HSV	355°, 61%, 69%
XYZ	21.0865, 13.7840, 8.5710
YIQ	101.0190, 60.8830, 25.4830

Conversions

Conversions Part 2

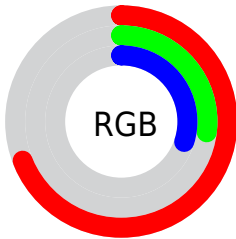
Format	Color
RYB	175, 68, 77
Decimal	11486285
CIELab	43.92, 44.40, 17.60
CIElCh	44, 47.764, 21.620
Yxy	13.7840, 0.4854, 0.3173
Android (android.graphics.Color)	4289676365 (0xFFAF444D)
YUV	101.0190, -11.8414, 64.8813
Hunter-Lab	37.1268, 36.4088, 12.3012

Details

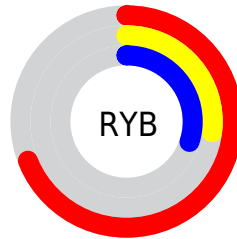
The Yxy color **13.7840, 0.4854, 0.3173** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **34.6434, 0.2442, 0.3440**, and the grayscale version is **13.0389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8433, 0.4424, 0.3238**, and **4.0654, 0.5668, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **11.7754, 0.5305, 0.3173**, and if you desaturate by 10%, it is **16.4817, 0.4433, 0.3184**.

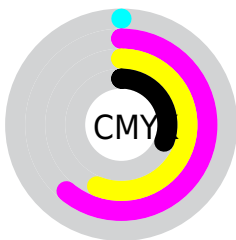
Distribution



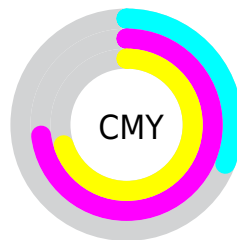
- Red (69%)
- Green (27%)
- Blue (30%)



- Red (69%)
- Yellow (27%)
- Blue (30%)



- Cyan (0%)
- Magenta (61%)
- Yellow (56%)
- Black (31%)





- Cyan (31%)
- Magenta (73%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7840, 0.4854, 0.3173 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 13.7840, 0.4854, 0.3173 by changing the saturation by 10% instead.


 13.7840, 0.4854,
0.3173


 13.7840, 0.4854,
0.3173


215.8829, 0.3815,
0.3288


 7.9706, 0.5187,
0.3109


 32.7053, 0.4425,
0.3236


 4.0761, 0.5664,
0.2993

 46.5819, 0.4280,
0.3253


 1.7162, 0.6468,
0.2801

 63.9151, 0.4164,
0.3264

 0.4341, 0.7948,
0.2052

 85.0892, 0.4069,
0.3272

 0.0000, 1.0000,
0.0000

 110.4887, 0.3989,
0.3278

 0.0000, 0.0000,
0.0000

140.4978, 0.3922,

0.3282

175.5011, 0.3864,
0.3285

■ 13.7840, 0.4854,
0.3173

■ 13.7840, 0.4854,
0.3173

■ 11.7754, 0.5305,
0.3173

■ 16.4817, 0.4433,
0.3184

■ 10.3912, 0.5738,
0.3189

■ 19.9209, 0.4066,
0.3202

■ 9.5586, 0.6090,
0.3220

■ 24.1516, 0.3759,
0.3223

■ 9.1480, 0.6303,
0.3246

■ 29.2189, 0.3509,
0.3246

■ 35.1644, 0.3306,
0.3267

■ 42.0270, 0.3144,
0.3288

■ 49.8431, 0.3012,
0.3307

■ 58.6474, 0.2906,
0.3324

■ 68.4726, 0.2820,
0.3339

Harmonies

Analogous

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



13.7840, 0.4037, 0.2566



13.7840, 0.4854, 0.3173



13.7840, 0.5067, 0.3847

Triad

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



13.7840, 0.4854, 0.3173



13.7840, 0.2988, 0.5028



13.7840, 0.1669, 0.1906

Complementary

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



13.7840, 0.4854, 0.3173



34.6434, 0.2442, 0.3440

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.



13.7840, 0.1494, 0.2266



13.7840, 0.4854, 0.3173



13.7840, 0.2159, 0.4164

Square

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



13.7840, 0.4854, 0.3173



13.7840, 0.3902, 0.5074



13.7840, 0.1643, 0.3044



13.7840, 0.2169, 0.1872

Rectangle

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



13.7840, 0.4854, 0.3173



13.7840, 0.4858, 0.4312



13.7840, 0.1643, 0.3044



13.7840, 0.1576, 0.1986

Sweetspot

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



13.7848, 0.4854, 0.3173



55.1797, 0.3447, 0.3252



15.1546, 0.3052, 0.1837



11.6232, 0.3509, 0.3246



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.7848, 0.4854, 0.3173



20.2008, 0.5445, 0.3177



20.8576, 0.4562, 0.3902



8.0259, 0.3274, 0.3271



6.5550, 0.6287, 0.3237



0.1858, 0.5844, 0.2993

Inverse Universe

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



13.7848, 0.4854, 0.3173



20.2008, 0.5445, 0.3177



20.8819, 0.2220, 0.2519



8.0259, 0.3274, 0.3271



6.5550, 0.6287, 0.3237



0.1858, 0.5844, 0.2993

Previews

White Background



This preview shows how the Yxy color 13.7840, 0.4854, 0.3173 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 13.7840, 0.4854, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

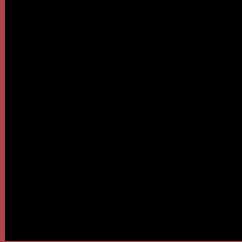
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7840, 0.4854, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 13.7840, 0.4854, 0.3173.



This preview shows how white text looks on a background with the Yxy color 13.7840, 0.4854, 0.3173.

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

13.7840, 0.4854, 0.3173

Protanopia

13.9600, 0.3334, 0.3506

Deuteranopia

13.9422, 0.3918, 0.3851



Tritanopia

13.8512, 0.4917, 0.3242

Trichromacy



Original Color

13.7840, 0.4854, 0.3173

Protanomaly

13.1733, 0.3859, 0.3350

Deuteranomaly

13.3135, 0.4273, 0.3544

Tritanomaly

13.8646, 0.4899, 0.3228

Monochromacy



Original Color

13.7840, 0.4854, 0.3173

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.5067, 0.3723, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7840, 0.4854, 0.3173 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(175, 68, 77)` looks like.

```
.text, #text, p{  
    color:rgb(175, 68, 77)  
}
```

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(175, 68, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 68, 77) }
```

Border

The CSS property to change the border of an element to Yxy 13.7840, 0.4854, 0.3173 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(175, 68, 77) }
```

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

```
.border{ border-color:rgb(175, 68, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 68, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 68, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 68, 77);  
box-shadow:4px 4px 4px 4px rgb(175, 68,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7840, 0.4854, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 68, 77) }
```

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

```
.background{ background-color: rgb(175, 68,  
77) }
```

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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