

Converting Colors

$Y_{xy}(13.4561, 0.4847, 0.3488)$

Have a look what the booklet for
Yxy(13.4561, 0.4847, 0.3488)
contains.

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Color

Yxy(13.4645, 0.4839, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	A34D40
RGB	163, 77, 64
RGB Percent	64%, 30%, 25%
CMY	0.3607, 0.6980, 0.7490
CMYK	0.00, 0.53, 0.61, 0.36
HSL	8°, 44%, 45%
HSV	8°, 61%, 64%
XYZ	18.6850, 13.4645, 6.4639
YIQ	101.2320, 55.4290, 14.1890

Conversions

Conversions Part 2

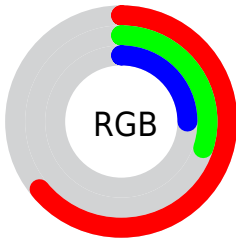
Format	Color
RYB	163, 79, 64
Decimal	10702144
CIELab	43.45, 34.46, 24.49
CIELCh	43, 42.273, 35.400
Yxy	13.4645, 0.4839, 0.3487
Android (android.graphics.Color)	4288892224 (0xFFA34D40)
YUV	101.2320, -18.3554, 54.1705
Hunter-Lab	36.6940, 26.6799, 15.2415

Details

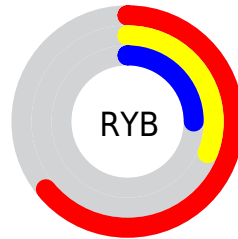
The Yxy color **13.4645, 0.4839, 0.3487** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.5497, 0.2345, 0.3051**, and the grayscale version is **13.1148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1378, 0.4417, 0.3482**, and **3.9022, 0.5630, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **11.5356, 0.5272, 0.3495**, and if you desaturate by 10%, it is **15.8805, 0.4433, 0.3464**.

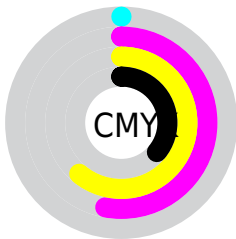
Distribution



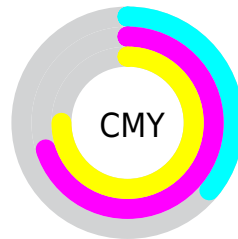
- Red (64%)
- Green (30%)
- Blue (25%)



- Red (64%)
- Yellow (31%)
- Blue (25%)



- Cyan (0%)
- Magenta (53%)
- Yellow (61%)
- Black (36%)



- Cyan (36%)
- Magenta (70%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4645, 0.4839, 0.3487 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 13.4645, 0.4839, 0.3487 by changing the saturation by 10% instead.


 13.4645, 0.4839,
0.3487


 13.4645, 0.4839,
0.3487


213.8735, 0.3808,
0.3427


 7.7492, 0.5166,
0.3467


 32.1358, 0.4415,
0.3484


 3.9349, 0.5626,
0.3403

 45.8606, 0.4271,
0.3476


 1.6372, 0.6614,
0.3386

 63.0239, 0.4155,
0.3467

 0.3825, 0.7670,
0.2330

 84.0103, 0.4061,
0.3458

 0.0000, 1.0000,
0.0000

 109.2040, 0.3982,
0.3449

 0.0000, 0.0000,
0.0000

 138.9895, 0.3915,

0.3441

173.7512, 0.3858,
0.3434

■ 13.4645, 0.4839,
0.3487

■ 13.4645, 0.4839,
0.3487

■ 11.5356, 0.5272,
0.3495

■ 15.8805, 0.4433,
0.3464

■ 10.0584, 0.5690,
0.3480

■ 18.8114, 0.4074,
0.3432

■ 8.9962, 0.6038,
0.3442

■ 22.2856, 0.3770,
0.3397

■ 8.3390, 0.6273,
0.3401

■ 26.3287, 0.3517,
0.3360

■ 30.9646, 0.3309,
0.3325

■ 36.2160, 0.3138,
0.3292

■ 42.1042, 0.2999,
0.3262

■ 48.6498, 0.2883,
0.3235

■ 55.8720, 0.2788,
0.3210

Harmonies

Analogous

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



13.4645, 0.4326, 0.2885



13.4645, 0.4839, 0.3487



13.4645, 0.4782, 0.4122

Triad

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



13.4645, 0.4839, 0.3487



13.4645, 0.2650, 0.4540



13.4645, 0.1971, 0.1980

Complementary

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



13.4645, 0.4839, 0.3487



25.5497, 0.2345, 0.3051

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.



13.4645, 0.1670, 0.2175



13.4645, 0.4839, 0.3487



13.4645, 0.1999, 0.3603

Square

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



13.4645, 0.4839, 0.3487



13.4645, 0.3478, 0.4946



13.4645, 0.1672, 0.2712



13.4645, 0.2578, 0.2063

Rectangle

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



13.4645, 0.4839, 0.3487



13.4645, 0.4471, 0.4523



13.4645, 0.1672, 0.2712



13.4645, 0.1837, 0.2011

Sweetspot

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



13.4652, 0.4839, 0.3487



49.0461, 0.3463, 0.3352



13.7032, 0.3358, 0.2039



10.5218, 0.3526, 0.3362



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



13.4652, 0.4839, 0.3487



19.6107, 0.5427, 0.3492



22.8388, 0.4309, 0.4211



7.2290, 0.3282, 0.3320



6.5203, 0.6262, 0.3410



0.1780, 0.5787, 0.3787

Inverse Universe

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



25.5497, 0.2345, 0.3051



43.0292, 0.2240, 0.2989



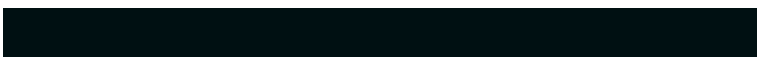
13.2277, 0.2132, 0.2093



7.8519, 0.2988, 0.3260



17.0442, 0.2133, 0.2878



0.3993, 0.2178, 0.3041

Previews

White Background



This preview shows how the Yxy color 13.4645, 0.4839, 0.3487 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 13.4645, 0.4839, 0.3487 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 13.4645, 0.4839, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 13.4645, 0.4839, 0.3487.



This preview shows how white text looks on a background with the Yxy color 13.4645, 0.4839, 0.3487.

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

13.4645, 0.4839, 0.3487

Protanopia

13.5744, 0.3649, 0.3918

Deuteranopia

13.6855, 0.4113, 0.4055



Tritanopia

13.5039, 0.4594, 0.3218

Trichromacy



Original Color

13.4645, 0.4839, 0.3487

Protanomaly

13.1934, 0.4079, 0.3759

Deuteranomaly

13.3081, 0.4387, 0.3833

Tritanomaly

13.5558, 0.4692, 0.3325

Monochromacy



Original Color

13.4645, 0.4839, 0.3487

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6440, 0.3708, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4645, 0.4839, 0.3487 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(163, 77, 64)` looks like.

```
.text, #text, p{  
    color:rgb(163, 77, 64)  
}
```

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(163, 77, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 77, 64) }
```

Border

The CSS property to change the border of an element to Yxy 13.4645, 0.4839, 0.3487 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(163, 77, 64) }
```

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

```
.border{ border-color:rgb(163, 77, 64) }
```

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

Here you see how a box with a 4 pixel rgb(163, 77, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 77, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 77, 64);  
box-shadow:4px 4px 4px 4px rgb(163, 77,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4645, 0.4839, 0.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 77, 64) }
```

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

```
.background{ background-color: rgb(163, 77,  
64) }
```

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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