

Converting Colors

$Y_{xy}(16.1643, 0.4519, 0.3344)$

Have a look what the booklet for
Yxy(16.1643, 0.4519, 0.3344)
contains.

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Color

Yxy(16.1144, 0.4517, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	AB5754
RGB	171, 87, 84
RGB Percent	67%, 34%, 33%
CMY	0.3295, 0.6587, 0.6706
CMYK	0.00, 0.49, 0.51, 0.33
HSL	2°, 34%, 50%
HSV	2°, 51%, 67%
XYZ	21.7996, 16.1144, 10.3472
YIQ	111.7740, 51.0270, 16.8750

Conversions

Conversions Part 2

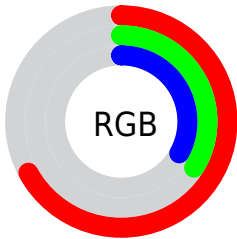
Format	Color
RYB	171, 87, 84
Decimal	11229012
CIELab	47.12, 33.97, 17.57
CIELCh	47, 38.246, 27.343
Yxy	16.1144, 0.4517, 0.3339
Android (android.graphics.Color)	4289419092 (0xFFAB5754)
YUV	111.7740, -13.6926, 51.9412
Hunter-Lab	40.1427, 26.6848, 12.8173

Details

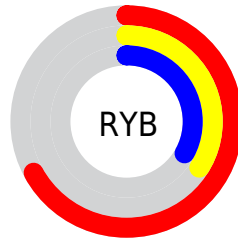
The Yxy color **16.1144, 0.4517, 0.3339** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.8118, 0.2467, 0.3238**, and the grayscale version is **16.1643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8445, 0.4170, 0.3351**, and **5.1775, 0.5146, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **13.5049, 0.4959, 0.3345**, and if you desaturate by 10%, it is **19.4018, 0.4127, 0.3330**.

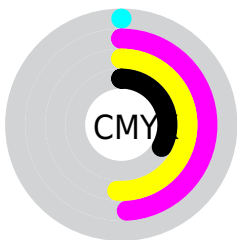
Distribution



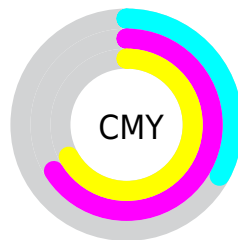
- Red (67%)
- Green (34%)
- Blue (33%)



- Red (67%)
- Yellow (34%)
- Blue (33%)



- Cyan (0%)
- Magenta (49%)
- Yellow (51%)
- Black (33%)





- Cyan (33%)
- Magenta (66%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1144, 0.4517, 0.3339 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 16.1144, 0.4517, 0.3339 by changing the saturation by 10% instead.


 16.1144, 0.4517,
0.3339


 16.1144, 0.4517,
0.3339


230.0158, 0.3695,
0.3344


 9.6051, 0.4775,
0.3318


 36.7967, 0.4182,
0.3353


 5.1379, 0.5143,
0.3270

 51.7385, 0.4067,
0.3354

 2.3284, 0.5702,
0.3162

 70.2600, 0.3975,
0.3353

 0.7887, 0.6971,
0.3029

 92.7455, 0.3899,
0.3352

 0.0000, 1.0000,
0.0000


 119.5794, 0.3835,
0.3350


 0.0000, 0.0000,
0.0000


151.1462, 0.3781,


0.3348

187.8302, 0.3735,
0.3346


 16.1144, 0.4517,
0.3339


 16.1144, 0.4517,
0.3339


 13.5049, 0.4959,
0.3345


 19.4018, 0.4127,
0.3330


 11.5238, 0.5424,
0.3346


 23.4073, 0.3800,
0.3320


 10.1190, 0.5856,
0.3340

 28.1706, 0.3532,
0.3310

 9.2285, 0.6184,
0.3328

 33.7281, 0.3315,
0.3300

 8.7849, 0.6373,
0.3322

 40.1136, 0.3141,
0.3291

■ 47.3592, 0.3000,
0.3282

■ 55.4950, 0.2886,
0.3275

■ 64.5499, 0.2793,
0.3268

■ 74.5513, 0.2716,
0.3262

Harmonies

Analogous

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



16.1144, 0.3968, 0.2815



16.1144, 0.4517, 0.3339



16.1144, 0.4617, 0.3901

Triad

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



16.1144, 0.4517, 0.3339



16.1144, 0.2920, 0.4483



16.1144, 0.2019, 0.2166

Complementary

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



16.1144, 0.4517, 0.3339



32.8118, 0.2467, 0.3238

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.



16.1144, 0.1821, 0.2427



16.1144, 0.4517, 0.3339



16.1144, 0.2287, 0.3788

Square

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



16.1144, 0.4517, 0.3339



16.1144, 0.3649, 0.4690



16.1144, 0.1906, 0.2992



16.1144, 0.2489, 0.2171

Rectangle

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



16.1144, 0.4517, 0.3339



16.1144, 0.4430, 0.4255



16.1144, 0.1906, 0.2992



16.1144, 0.1922, 0.2221

Sweetspot

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



16.1152, 0.4517, 0.3339



55.8718, 0.3405, 0.3304



17.8253, 0.3220, 0.2123



12.0080, 0.3449, 0.3306



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



16.1152, 0.4517, 0.3339



23.7080, 0.5015, 0.3345



25.3637, 0.4150, 0.3983



8.0584, 0.3286, 0.3298



6.6405, 0.6368, 0.3325



0.1989, 0.6231, 0.3434

Inverse Universe

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



32.8118, 0.2467, 0.3238



56.9672, 0.2372, 0.3225



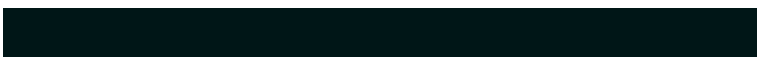
19.3867, 0.2316, 0.2455



9.0235, 0.2987, 0.3282



22.5328, 0.2217, 0.3183



0.6413, 0.2227, 0.3217

Previews

White Background



This preview shows how the Yxy color 16.1144, 0.4517, 0.3339 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 16.1144, 0.4517, 0.3339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

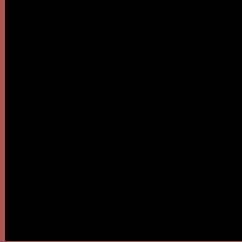
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.1144, 0.4517, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 16.1144, 0.4517, 0.3339.

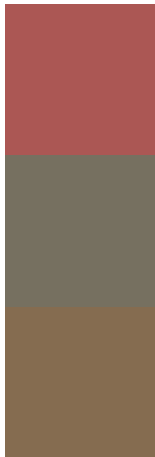


This preview shows how white text looks on a background with the Yxy color 16.1144, 0.4517, 0.3339.

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

16.1144, 0.4517, 0.3339

Protanopia

16.2844, 0.3412, 0.3614

Deuteranopia

16.2909, 0.3866, 0.3821



Tritanopia

16.1989, 0.4406, 0.3205

Trichromacy



Original Color

16.1144, 0.4517, 0.3339

Protanomaly

15.7916, 0.3786, 0.3497

Deuteranomaly

15.9115, 0.4118, 0.3625

Tritanomaly

16.1475, 0.4456, 0.3249

Monochromacy



Original Color

16.1144, 0.4517, 0.3339

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.6464, 0.3580, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1144, 0.4517, 0.3339 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(171, 87, 84)` looks like.

```
.text, #text, p{  
    color:rgb(171, 87, 84)  
}
```

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(171, 87, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 87, 84) }
```

Border

The CSS property to change the border of an element to Yxy 16.1144, 0.4517, 0.3339 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(171, 87, 84) }
```

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

```
.border{ border-color:rgb(171, 87, 84) }
```

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

Here you see how a box with a 4 pixel rgb(171, 87, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 87, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 87, 84);  
box-shadow:4px 4px 4px 4px rgb(171, 87,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1144, 0.4517, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 87, 84) }
```

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

```
.background{ background-color: rgb(171, 87,  
84) }
```

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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