

Converting Colors

$Y_{xy}(16.0491, 0.4500, 0.3329)$

Have a look what the booklet for
Yxy(16.0491, 0.4500, 0.3329)
contains.

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Color

Yxy(16.0183, 0.4488, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	AA5755
RGB	170, 87, 85
RGB Percent	67%, 34%, 33%
CMY	0.3333, 0.6588, 0.6667
CMYK	0.00, 0.49, 0.50, 0.33
HSL	1°, 33%, 50%
HSV	1°, 50%, 67%
XYZ	21.6276, 16.0183, 10.5439
YIQ	111.5890, 50.1100, 16.9740

Conversions

Conversions Part 2

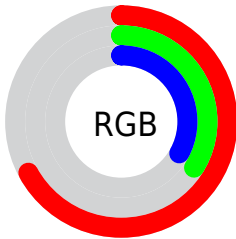
Format	Color
R_{YB}	170, 87, 85
Decimal	11163477
CIE Lab	47.00, 33.71, 16.78
CIE LCh	47, 37.651, 26.458
Yxy	16.0183, 0.4488, 0.3324
Android (android.graphics.Color)	4289353557 (0xFFAA5755)
YUV	111.5890, -13.1084, 51.2264
Hunter-Lab	40.0229, 26.4180, 12.3962

Details

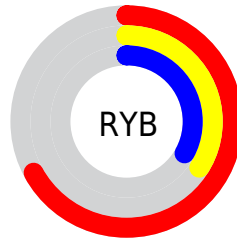
The Yxy color **16.0183, 0.4488, 0.3324** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.8424, 0.2478, 0.3255**, and the grayscale version is **16.1046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7085, 0.4149, 0.3340**, and **5.1168, 0.5104, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **13.3949, 0.4930, 0.3329**, and if you desaturate by 10%, it is **19.3264, 0.4101, 0.3318**.

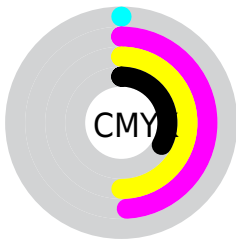
Distribution



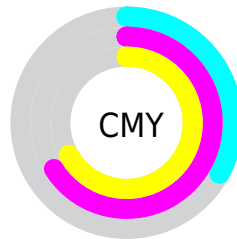
- Red (67%)
- Green (34%)
- Blue (33%)



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



- Cyan (0%)
- Magenta (49%)
- Yellow (50%)
- Black (33%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0183, 0.4488, 0.3324 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 16.0183, 0.4488, 0.3324 by changing the saturation by 10% instead.


 16.0183, 0.4488,
0.3324


 16.0183, 0.4488,
0.3324


229.4497, 0.3682,
0.3336


 9.5371, 0.4742,
0.3302


 36.6300, 0.4159,
0.3340


 5.0931, 0.5105,
0.3254

 51.5292, 0.4047,
0.3342


 2.3020, 0.5658,
0.3145

 70.0033, 0.3956,
0.3342

 0.7748, 0.6970,
0.3030

 92.4366, 0.3882,
0.3341

 0.0000, 1.0000,
0.0000

 119.2135, 0.3820,
0.3340

 0.0000, 0.0000,
0.0000

150.7184, 0.3767,

0.3339

187.3356, 0.3721,
0.3337

■ 16.0183, 0.4488,
0.3324

■ 16.0183, 0.4488,
0.3324

■ 13.3949, 0.4930,
0.3329

■ 19.3264, 0.4101,
0.3318

■ 11.4059, 0.5398,
0.3330

■ 23.3597, 0.3777,
0.3310

■ 9.9984, 0.5835,
0.3327

■ 28.1588, 0.3512,
0.3303

■ 9.1097, 0.6173,
0.3319

■ 33.7602, 0.3299,
0.3296

■ 8.6348, 0.6382,
0.3315

■ 40.1985, 0.3127,
0.3290

■ 47.5059, 0.2989,
0.3284

■ 55.7131, 0.2877,
0.3279

■ 64.8492, 0.2786,
0.3275

■ 74.9422, 0.2711,
0.3270

Harmonies

Analogous

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



16.0183, 0.3936, 0.2807



16.0183, 0.4488, 0.3324



16.0183, 0.4602, 0.3880

Triad

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



16.0183, 0.4488, 0.3324



16.0183, 0.2945, 0.4478



16.0183, 0.2022, 0.2183

Complementary

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



16.0183, 0.4488, 0.3324



32.8424, 0.2478, 0.3255

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.



16.0183, 0.1834, 0.2451



16.0183, 0.4488, 0.3324



16.0183, 0.2313, 0.3805

Square

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



16.0183, 0.4488, 0.3324



16.0183, 0.3664, 0.4668



16.0183, 0.1927, 0.3018



16.0183, 0.2480, 0.2180

Rectangle

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



16.0183, 0.4488, 0.3324



16.0183, 0.4426, 0.4231



16.0183, 0.1927, 0.3018



16.0183, 0.1929, 0.2241

Sweetspot

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



16.0191, 0.4488, 0.3324



55.7107, 0.3405, 0.3300



17.8926, 0.3200, 0.2125



11.9685, 0.3450, 0.3301



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.



16.0191, 0.4488, 0.3324



23.8564, 0.4980, 0.3329



24.8828, 0.4139, 0.3952



7.5696, 0.3285, 0.3296



6.3623, 0.6378, 0.3317



0.1634, 0.6278, 0.3397

Inverse Universe

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



32.8424, 0.2478, 0.3255



57.8885, 0.2384, 0.3246



19.7772, 0.2335, 0.2499



8.5012, 0.2987, 0.3284



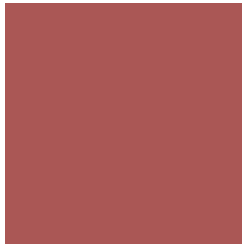
22.2061, 0.2227, 0.3217



0.5494, 0.2234, 0.3242

Previews

White Background



This preview shows how the Yxy color 16.0183, 0.4488, 0.3324 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 16.0183, 0.4488, 0.3324 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 16.0183, 0.4488, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 16.0183, 0.4488, 0.3324.

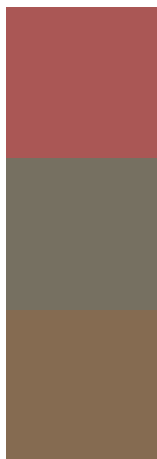


This preview shows how white text looks on a background with the Yxy color 16.0183, 0.4488, 0.3324.

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

16.0183, 0.4488, 0.3324

Protanopia

16.3030, 0.3399, 0.3593

Deuteranopia

16.0960, 0.3859, 0.3784



Tritanopia

16.0862, 0.4393, 0.3204

Trichromacy



Original Color

16.0183, 0.4488, 0.3324

Protanomaly

15.8092, 0.3771, 0.3478

Deuteranomaly

15.8345, 0.4089, 0.3610

Tritanomaly

16.0348, 0.4443, 0.3249

Monochromacy



Original Color

16.0183, 0.4488, 0.3324

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 16.0183, 0.4488, 0.3324 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(170, 87, 85)` looks like.

```
.text, #text, p{  
  color:rgb(170, 87, 85)  
}
```

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(170, 87, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 87, 85) }
```

Border

The CSS property to change the border of an element to Yxy 16.0183, 0.4488, 0.3324 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(170, 87, 85) }
```

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

```
.border{ border-color:rgb(170, 87, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 87, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 87, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 87, 85);  
box-shadow:4px 4px 4px 4px rgb(170, 87,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0183, 0.4488, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 87, 85) }
```

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

```
.background{ background-color: rgb(170, 87,  
85) }
```

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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