

Converting Colors

$Y_{xy}(16.2735, 0.4825, 0.3459)$

Have a look what the booklet for
Yxy(16.2735, 0.4825, 0.3459)
contains.

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Color

Yxy(16.2735, 0.4825, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	B25448
RGB	178, 84, 72
RGB Percent	70%, 33%, 28%
CMY	0.3020, 0.6706, 0.7177
CMYK	0.00, 0.53, 0.60, 0.30
HSL	7°, 42%, 49%
HSV	7°, 60%, 70%
XYZ	22.7001, 16.2735, 8.0732
YIQ	110.7380, 59.8760, 16.1960

Conversions

Conversions Part 2

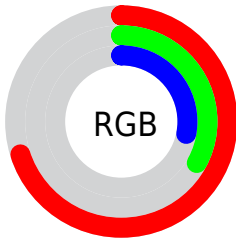
Format	Color
R_{YB}	178, 86, 72
Decimal	11686984
CIE _{Lab}	47.33, 37.24, 25.17
CIE _{LCh}	47, 44.947, 34.056
Yxy	16.2735, 0.4825, 0.3459
Android (android.graphics.Color)	4289877064 (0xFFB25448)
YUV	110.7380, -19.0978, 58.9888
Hunter-Lab	40.3404, 29.8486, 16.3727

Details

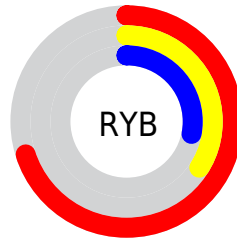
The Yxy color **16.2735, 0.4825, 0.3459** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **31.8580, 0.2359, 0.3087**, and the grayscale version is **15.8602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1659, 0.4423, 0.3459**, and **5.2210, 0.5535, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **13.8946, 0.5266, 0.3466**, and if you desaturate by 10%, it is **19.2734, 0.4413, 0.3439**.

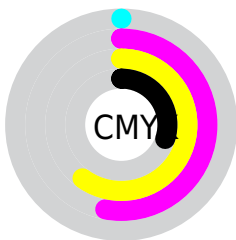
Distribution



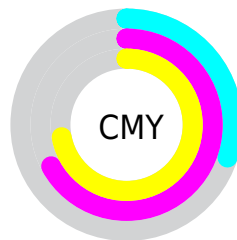
- Red (70%)
- Green (33%)
- Blue (28%)



- Red (70%)
- Yellow (34%)
- Blue (28%)



- Cyan (0%)
- Magenta (53%)
- Yellow (60%)
- Black (30%)




- Cyan (30%)
- Magenta (67%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2735, 0.4825, 0.3459 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 16.2735, 0.4825, 0.3459 by changing the saturation by 10% instead.


 16.2735, 0.4825,
0.3459


 16.2735, 0.4825,
0.3459


230.9502, 0.3828,
0.3417


 9.7179, 0.5127,
0.3438


 37.0724, 0.4423,
0.3462


 5.2123, 0.5545,
0.3381

 52.0844, 0.4284,
0.3456


 2.3724, 0.6249,
0.3293

 70.6841, 0.4172,
0.3450

 0.8116, 0.7103,
0.2897

 93.2557, 0.4079,
0.3443

 0.0000, 1.0000,
0.0000

 120.1838, 0.4001,
0.3436

 0.0000, 0.0000,
0.0000

151.8526, 0.3935,

0.3429

188.6466, 0.3877,
0.3423

■ 16.2735, 0.4825,
0.3459

■ 16.2735, 0.4825,
0.3459

■ 13.8946, 0.5266,
0.3466

■ 19.2734, 0.4413,
0.3439

■ 12.0905, 0.5694,
0.3454

■ 22.9310, 0.4052,
0.3411

■ 10.8128, 0.6049,
0.3420

■ 27.2831, 0.3747,
0.3379

■ 9.9987, 0.6294,
0.3378

■ 32.3633, 0.3495,
0.3348

■ 9.9718, 0.6303,
0.3377

■ 38.2028, 0.3289,
0.3317

■ 44.8309, 0.3120,
0.3289

■ 52.2757, 0.2983,
0.3263

■ 60.5635, 0.2870,
0.3239

■ 69.7197, 0.2777,
0.3218

Harmonies

Analogous

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



16.2735, 0.4290, 0.2860



16.2735, 0.4825, 0.3459



16.2735, 0.4793, 0.4093

Triad

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



16.2735, 0.4825, 0.3459



16.2735, 0.2686, 0.4571



16.2735, 0.1952, 0.1984

Complementary

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



16.2735, 0.4825, 0.3459



31.8580, 0.2359, 0.3087

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.



16.2735, 0.1666, 0.2193



16.2735, 0.4825, 0.3459



16.2735, 0.2024, 0.3648

Square

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



16.2735, 0.4825, 0.3459



16.2735, 0.3516, 0.4944



16.2735, 0.1681, 0.2747



16.2735, 0.2546, 0.2056

Rectangle

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



16.2735, 0.4825, 0.3459



16.2735, 0.4496, 0.4496



16.2735, 0.1681, 0.2747



16.2735, 0.1823, 0.2020

Sweetspot

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



16.2744, 0.4825, 0.3459



59.9316, 0.3467, 0.3344



16.9031, 0.3330, 0.2033



12.6468, 0.3533, 0.3353



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.2744, 0.4825, 0.3459



24.2241, 0.5384, 0.3465



27.4276, 0.4308, 0.4179



8.6553, 0.3284, 0.3316



7.1840, 0.6291, 0.3387



0.2758, 0.5927, 0.3676

Inverse Universe

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



31.8580, 0.2359, 0.3087



54.8089, 0.2261, 0.3038



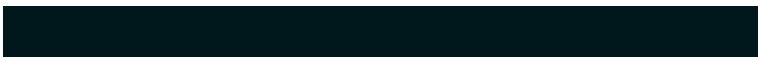
16.7151, 0.2151, 0.2144



9.4638, 0.2986, 0.3263



19.8113, 0.2149, 0.2934



0.6697, 0.2178, 0.3042

Previews

White Background



This preview shows how the Yxy color 16.2735, 0.4825, 0.3459 looks on a white background.

Color Contrast Check

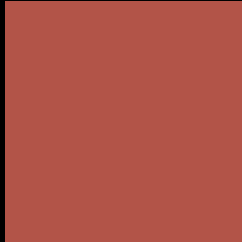
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2735, 0.4825, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

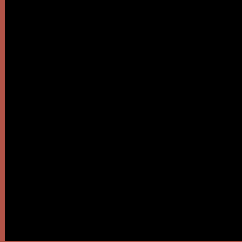
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2735, 0.4825, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 16.2735, 0.4825, 0.3459.



This preview shows how white text looks on a background with the Yxy color 16.2735, 0.4825, 0.3459.

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

16.2735, 0.4825, 0.3459

Protanopia

16.5153, 0.3607, 0.3870

Deuteranopia

16.4608, 0.4084, 0.4020



Tritanopia

16.3064, 0.4613, 0.3225

Trichromacy



Original Color

16.2735, 0.4825, 0.3459

Protanomaly

15.8327, 0.4044, 0.3689

Deuteranomaly

16.0288, 0.4374, 0.3793

Tritanomaly

16.3794, 0.4688, 0.3308

Monochromacy



Original Color

16.2735, 0.4825, 0.3459

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.3213, 0.3693, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2735, 0.4825, 0.3459 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(178, 84, 72)` looks like.

```
.text, #text, p{  
  color:rgb(178, 84, 72)  
}
```

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(178, 84, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 84, 72) }
```

Border

The CSS property to change the border of an element to Yxy 16.2735, 0.4825, 0.3459 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(178, 84, 72) }
```

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

```
.border{ border-color:rgb(178, 84, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 84, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 84, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 84, 72);  
box-shadow:4px 4px 4px 4px rgb(178, 84,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2735, 0.4825, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 84, 72) }
```

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

```
.background{ background-color: rgb(178, 84,  
72) }
```

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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