

Converting Colors

$Y_{xy}(16.2150, 0.4599, 0.3564)$

Have a look what the booklet for
Yxy(16.2150, 0.4599, 0.3564)
contains.

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Color

Yxy(16.1787, 0.4601, 0.3565)

Conversions

Conversions Part 1

Format	Color
Hex	A75B49
RGB	167, 91, 73
RGB Percent	65%, 36%, 29%
CMY	0.3451, 0.6431, 0.7138
CMYK	0.00, 0.46, 0.56, 0.35
HSL	11°, 39%, 47%
HSV	11°, 56%, 65%
XYZ	20.8803, 16.1787, 8.3231
YIQ	111.6720, 51.0740, 10.5140

Conversions

Conversions Part 2

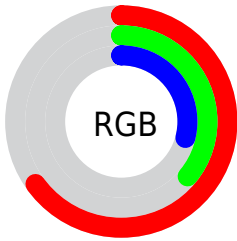
Format	Color
RYB	167, 95, 73
Decimal	10967881
CIELab	47.21, 29.25, 24.10
CIElCh	47, 37.897, 39.488
Yxy	16.1787, 0.4601, 0.3565
Android (android.graphics.Color)	4289157961 (0xFFA75B49)
YUV	111.6720, -19.0653, 48.5227
Hunter-Lab	40.2228, 22.2724, 15.8874

Details

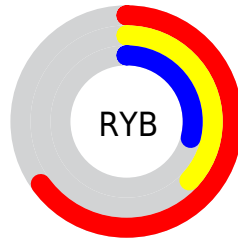
The Yxy color **16.1787, 0.4601, 0.3565** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.6967, 0.2363, 0.2967**, and the grayscale version is **16.1480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7587, 0.4247, 0.3529**, and **5.1960, 0.5234, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **13.8827, 0.5003, 0.3590**, and if you desaturate by 10%, it is **18.9511, 0.4234, 0.3524**.

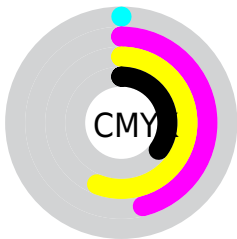
Distribution



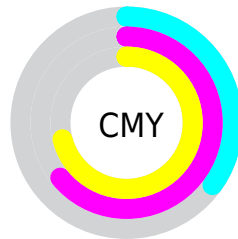
- Red (65%)
- Green (36%)
- Blue (29%)



- Red (65%)
- Yellow (37%)
- Blue (29%)



- Cyan (0%)
- Magenta (46%)
- Yellow (56%)
- Black (35%)



- Cyan (35%)
- Magenta (64%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1787, 0.4601, 0.3565 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 16.1787, 0.4601, 0.3565 by changing the saturation by 10% instead.


 16.1787, 0.4601,
0.3565


 16.1787, 0.4601,
0.3565


230.3939, 0.3733,
0.3449


 9.6507, 0.4868,
0.3573


 36.9082, 0.4250,
0.3534


 5.1680, 0.5241,
0.3560

 51.8784, 0.4129,
0.3518


 2.3462, 0.5874,
0.3538

 70.4315, 0.4031,
0.3504

 0.7980, 0.6731,
0.3269

 92.9519, 0.3950,
0.3490

 0.0000, 1.0000,
0.0000

 119.8239, 0.3883,
0.3478

 0.0000, 0.0000,
0.0000

151.4320, 0.3825,

0.3467

188.1605, 0.3776,
0.3458

■ 16.1787, 0.4601,
0.3565

■ 16.1787, 0.4601,
0.3565

■ 13.8827, 0.5003,
0.3590

■ 18.9511, 0.4234,
0.3524

■ 12.0335, 0.5414,
0.3590

■ 22.2223, 0.3914,
0.3474

■ 10.6018, 0.5790,
0.3558

■ 26.0163, 0.3643,
0.3421

■ 9.5528, 0.6086,
0.3495

■ 30.3549, 0.3416,
0.3369

■ 9.2492, 0.6181,
0.3474

■ 35.2585, 0.3228,
0.3319

■ 40.7466, 0.3073,
0.3273

■ 46.8376, 0.2944,
0.3231

■ 53.5491, 0.2836,
0.3193

■ 60.8981, 0.2747,
0.3158

Harmonies

Analogous

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



16.1787, 0.4223, 0.3021



16.1787, 0.4601, 0.3565



16.1787, 0.4511, 0.4115

Triad

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



16.1787, 0.4601, 0.3565



16.1787, 0.2647, 0.4233



16.1787, 0.2186, 0.2148

Complementary

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



16.1787, 0.4601, 0.3565



25.6967, 0.2363, 0.2967

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.



16.1787, 0.1879, 0.2296



16.1787, 0.4601, 0.3565



16.1787, 0.2107, 0.3451

Square

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



16.1787, 0.4601, 0.3565



16.1787, 0.3354, 0.4659



16.1787, 0.1848, 0.2733



16.1787, 0.2756, 0.2248

Rectangle

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



16.1787, 0.4601, 0.3565



16.1787, 0.4228, 0.4432



16.1787, 0.1848, 0.2733



16.1787, 0.2053, 0.2168

Sweetspot

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



16.1795, 0.4601, 0.3565



53.5301, 0.3437, 0.3374



15.1737, 0.3430, 0.2186



11.6334, 0.3478, 0.3384



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



16.1795, 0.4601, 0.3565



23.8093, 0.5125, 0.3593



26.6540, 0.4156, 0.4241



7.7664, 0.3281, 0.3334



7.1335, 0.6166, 0.3486



0.2378, 0.5606, 0.3931

Inverse Universe

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



25.6967, 0.2363, 0.2967



42.4575, 0.2242, 0.2879



13.8586, 0.2175, 0.2072



8.2841, 0.2987, 0.3246



15.4615, 0.2077, 0.2675



0.4372, 0.2139, 0.2900

Previews

White Background



This preview shows how the Yxy color 16.1787, 0.4601, 0.3565 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 16.1787, 0.4601, 0.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

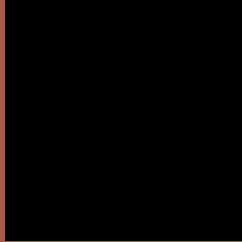
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1787, 0.4601, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 16.1787, 0.4601, 0.3565.



This preview shows how white text looks on a background with the Yxy color 16.1787, 0.4601, 0.3565.

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

16.1787, 0.4601, 0.3565

Protanopia

16.2625, 0.3638, 0.3892

Deuteranopia

16.1918, 0.4052, 0.3973



Tritanopia

16.1124, 0.4303, 0.3201

Trichromacy



Original Color

16.1787, 0.4601, 0.3565

Protanomaly

15.8684, 0.3983, 0.3753

Deuteranomaly

15.9653, 0.4255, 0.3811

Tritanomaly

16.1415, 0.4428, 0.3340

Monochromacy



Original Color

16.1787, 0.4601, 0.3565

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.6880, 0.3619, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1787, 0.4601, 0.3565 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(167, 91, 73)` looks like.

```
.text, #text, p{  
    color:rgb(167, 91, 73)  
}
```

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(167, 91, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 91, 73) }
```

Border

The CSS property to change the border of an element to Yxy 16.1787, 0.4601, 0.3565 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(167, 91, 73) }
```

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

```
.border{ border-color:rgb(167, 91, 73) }
```

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

Here you see how a box with a 4 pixel rgb(167, 91, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 91, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 91, 73);  
box-shadow:4px 4px 4px 4px rgb(167, 91,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1787, 0.4601, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 91, 73) }
```

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

```
.background{ background-color: rgb(167, 91,  
73) }
```

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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