

Converting Colors

$Y_{xy}(16.0053, 0.4350, 0.4602)$

Have a look what the booklet for
Yxy(16.0053, 0.4350, 0.4602)
contains.

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Color

Yxy(16.0814, 0.4348, 0.4602)

Conversions

Conversions Part 1

Format	Color
Hex	836E20
RGB	131, 110, 32
RGB Percent	51%, 43%, 13%
CMY	0.4864, 0.5686, 0.8745
CMYK	0.00, 0.16, 0.76, 0.49
HSL	47°, 61%, 32%
HSV	47°, 76%, 51%
XYZ	15.1938, 16.0814, 3.6692
YIQ	107.3870, 37.5540, -19.8060

Conversions

Conversions Part 2

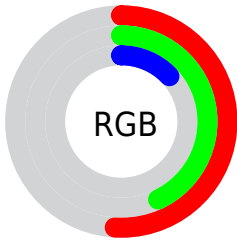
Format	Color
R_{YB}	59, 131, 32
Decimal	8613408
CIE Lab	47.08, -0.54, 44.16
CIE LCh	47, 44.164, 90.702
Yxy	16.0814, 0.4348, 0.4602
Android (android.graphics.Color)	4286803488 (0xFF836E20)
YUV	107.3870, -37.1658, 20.7086
Hunter-Lab	40.1016, -2.5473, 22.6463

Details

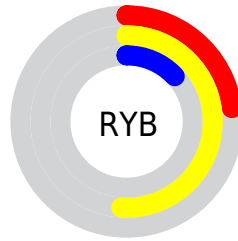
The Yxy color **16.0814, 0.4348, 0.4602** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.4873, 0.1836, 0.1382**, and the grayscale version is **14.9134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6637, 0.4106, 0.4331**, and **5.1747, 0.4541, 0.4777** is the 20% darker color. If you saturate the color by 10%, you get **15.4352, 0.4471, 0.4677**, and if you desaturate by 10%, it is **16.7762, 0.4202, 0.4487**.

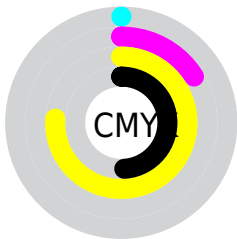
Distribution



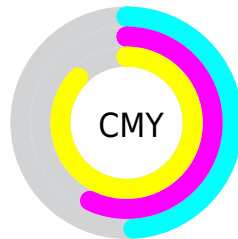
- Red (51%)
- Green (43%)
- Blue (13%)



- Red (23%)
- Yellow (51%)
- Blue (13%)



- Cyan (0%)
- Magenta (16%)
- Yellow (76%)
- Black (49%)




- Cyan (49%)
- Magenta (57%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0814, 0.4348, 0.4602 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 16.0814, 0.4348, 0.4602 by changing the saturation by 10% instead.


 16.0814, 0.4348,
0.4602

 16.0814, 0.4348,
0.4602


 229.8216, 0.3680,
0.3881


 9.5818, 0.4506,
0.4774


 36.7395, 0.4102,
0.4336


 5.1226, 0.4766,
0.5059

 51.6667, 0.4009,
0.4235

 2.3193, 0.4845,
0.5155

 70.1719, 0.3931,
0.4151

 0.7839, 0.4828,
0.5172

 92.6395, 0.3865,
0.4080

 0.0000, 0.0000,
0.0000

 119.4539, 0.3808,
0.4019

 150.9994, 0.3759,

0.3966

187.6605, 0.3717,
0.3921

16.0814, 0.4348,
0.4602

16.0814, 0.4348,
0.4602

15.4352, 0.4471,
0.4677

16.7762, 0.4202,
0.4487

14.8305, 0.4569,
0.4710

17.5204, 0.4041,
0.4338

14.5710, 0.4611,
0.4721

18.3177, 0.3870,
0.4164

19.1705, 0.3696,
0.3976

20.0812, 0.3525,
0.3780

■ 21.0518, 0.3362,
0.3584

■ 22.0844, 0.3208,
0.3393

■ 23.1808, 0.3065,
0.3210

■ 24.3429, 0.2935,
0.3039

Harmonies

Analogous

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



16.0814, 0.4804, 0.4018



16.0814, 0.4348, 0.4602



16.0814, 0.3605, 0.4918

Triad

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



16.0814, 0.4348, 0.4602



16.0814, 0.1719, 0.2840



16.0814, 0.3297, 0.2331

Complementary

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



16.0814, 0.4348, 0.4602



4.4873, 0.1836, 0.1382

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.



16.0814, 0.2473, 0.2049



16.0814, 0.4348, 0.4602



16.0814, 0.1668, 0.2250

Square

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



16.0814, 0.4348, 0.4602



16.0814, 0.2097, 0.3754



16.0814, 0.1919, 0.2007



16.0814, 0.4187, 0.2805

Rectangle

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



16.0814, 0.4348, 0.4602



16.0814, 0.3052, 0.4804



16.0814, 0.1919, 0.2007



16.0814, 0.3000, 0.2213

Sweetspot

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



16.0822, 0.4348, 0.4602



36.3219, 0.3491, 0.3740



6.1172, 0.5087, 0.2957



8.3325, 0.3544, 0.3802



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.0822, 0.4348, 0.4602



26.8315, 0.4546, 0.4704



19.2097, 0.3722, 0.5122



5.2601, 0.3262, 0.3460



14.3526, 0.4610, 0.4721



0.0601, 0.4383, 0.4902

Inverse Universe

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



4.4873, 0.1836, 0.1382



5.1781, 0.1631, 0.0981



3.6326, 0.2028, 0.1138



4.6927, 0.2992, 0.3114



2.4220, 0.1572, 0.0858



0.0173, 0.1760, 0.1537

Previews

White Background



This preview shows how the Yxy color 16.0814, 0.4348, 0.4602 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 16.0814, 0.4348, 0.4602 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 16.0814, 0.4348, 0.4602

Background



This preview shows how black text looks on a background with the Yxy color 16.0814, 0.4348, 0.4602.



This preview shows how white text looks on a background with the Yxy color 16.0814, 0.4348, 0.4602.

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

16.0814, 0.4348, 0.4602

Protanopia

16.0581, 0.4228, 0.4674

Deuteranopia

15.9990, 0.4516, 0.4444



Tritanopia

16.1666, 0.3508, 0.3145

Trichromacy



Original Color

16.0814, 0.4348, 0.4602

Protanomaly

15.9907, 0.4270, 0.4641

Deuteranomaly

15.9436, 0.4468, 0.4495

Tritanomaly

16.0682, 0.3882, 0.3742

Monochromacy



Original Color

16.0814, 0.4348, 0.4602

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.0173, 0.3613, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0814, 0.4348, 0.4602 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(131, 110, 32)` looks like.

```
.text, #text, p{  
    color:rgb(131, 110, 32)  
}
```

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(131, 110, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 110, 32) }
```

Border

The CSS property to change the border of an element to Yxy 16.0814, 0.4348, 0.4602 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(131, 110, 32) }
```

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

```
.border{ border-color:rgb(131, 110, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 110, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 110, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 110, 32);  
box-shadow:4px 4px 4px 4px rgb(131, 110,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0814, 0.4348, 0.4602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 110, 32) }
```

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

```
.background{ background-color: rgb(131,  
110, 32) }
```

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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