

Converting Colors

$Y_{xy}(11.5167, 0.4650, 0.2335)$

Have a look what the booklet for
Yxy(11.5167, 0.4650, 0.2335)
contains.

Yxy(11.5006, 0.4643, 0.2332)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.5006, 0.4643, 0.2332)

Conversions

Conversions Part 1

Format	Color
Hex	BA006B
RGB	186, 0, 107
RGB Percent	73%, 0%, 42%
CMY	0.2707, 0.9992, 0.5805
CMYK	0.00, 1.00, 0.42, 0.27
HSL	326°, 100%, 37%
HSV	326°, 100%, 73%
XYZ	22.8976, 11.5006, 14.9182
YIQ	67.8120, 76.5090, 72.7090

Conversions

Conversions Part 2

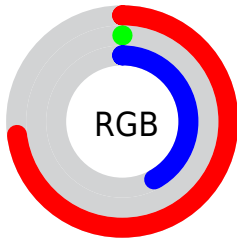
Format	Color
RYB	186, 0, 107
Decimal	12189803
CIELab	40.41, 67.96, -5.85
CIELCh	40, 68.214, 355.084
Yxy	11.5006, 0.4643, 0.2332
Android (android.graphics.Color)	4290379883 (0xFFBA006B)
YUV	67.8120, 19.3197, 103.6509
Hunter-Lab	33.9125, 61.1757, -2.3431

Details

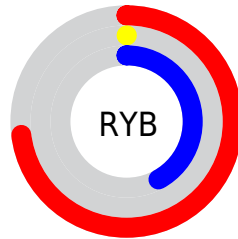
The Yxy color **11.5006, 0.4643, 0.2332** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **35.6745, 0.2792, 0.5249**, and the grayscale version is **5.7273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5834, 0.4273, 0.2560**, and **4.8383, 0.5007, 0.2532** is the 20% darker color. If you saturate the color by 10%, you get **11.4948, 0.4645, 0.2333**, and if you desaturate by 10%, it is **12.1301, 0.4447, 0.2290**.

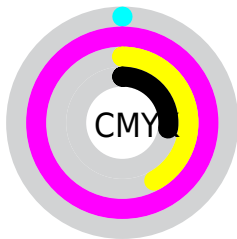
Distribution



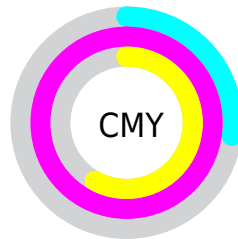
- Red (73%)
- Green (0%)
- Blue (42%)



- Red (73%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (27%)




- Cyan (27%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5006, 0.4643, 0.2332 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 11.5006, 0.4643, 0.2332 by changing the saturation by 10% instead.


 11.5006, 0.4643,
0.2332

 11.5006, 0.4643,
0.2332


201.0705, 0.3736,
0.2892


 6.4046, 0.4936,
0.2159


 28.5822, 0.4269,
0.2558


 3.0926, 0.5359,
0.1916

 41.3366, 0.4143,
0.2636


 1.1803, 0.6015,
0.1554

 57.4126, 0.4041,
0.2699

 0.0455, 0.8011,
0.0180

 77.1947, 0.3958,
0.2751

 0.0000, 1.0000,
0.0000

 101.0670, 0.3889,
0.2795

 0.0000, 0.0000,
0.0000

 129.4142, 0.3830,

0.2832

162.6206, 0.3779,
0.2864

■ 11.5006, 0.4643,
0.2332

■ 11.5006, 0.4643,
0.2332

■ 11.4948, 0.4645,
0.2333

■ 12.1301, 0.4447,
0.2290

■ 13.2090, 0.4248,
0.2292

■ 14.8948, 0.4052,
0.2345

■ 17.2664, 0.3865,
0.2439

■ 20.3904, 0.3694,
0.2562

■ 24.3259, 0.3543,
0.2703

■ 29.1257, 0.3412,
0.2853

■ 34.8383, 0.3300,
0.3004

■ 41.5084, 0.3205,
0.3151

Harmonies

Analogous

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



11.5006, 0.3068, 0.1734



11.5006, 0.4643, 0.2332



11.5006, 0.5764, 0.3075

Triad

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



11.5006, 0.4643, 0.2332



11.5006, 0.3828, 0.5889



11.5006, 0.0966, 0.1719

Complementary

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



11.5006, 0.4643, 0.2332



35.6745, 0.2792, 0.5249

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.



11.5006, 0.1046, 0.2651



11.5006, 0.4643, 0.2332



11.5006, 0.2602, 0.5998

Square

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



11.5006, 0.4643, 0.2332



11.5006, 0.5025, 0.4923



11.5006, 0.1573, 0.4426



11.5006, 0.1224, 0.1385

Rectangle

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



11.5006, 0.4643, 0.2332



11.5006, 0.5894, 0.3606



11.5006, 0.1573, 0.4426



11.5006, 0.0954, 0.1945

Sweetspot

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



11.5013, 0.4643, 0.2332



52.2325, 0.3419, 0.2844



5.1519, 0.1873, 0.0806



10.6561, 0.3473, 0.2780



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



11.5013, 0.4643, 0.2332



20.7927, 0.4675, 0.2349



10.4766, 0.6307, 0.3249



9.0964, 0.3201, 0.3159



7.7512, 0.4621, 0.2319



0.2854, 0.4165, 0.2068

Inverse Universe

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



11.5013, 0.4643, 0.2332



20.7927, 0.4675, 0.2349



38.0280, 0.2319, 0.3548



9.0964, 0.3201, 0.3159



7.7512, 0.4621, 0.2319



0.2854, 0.4165, 0.2068

Previews

White Background



This preview shows how the Yxy color 11.5006, 0.4643, 0.2332 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 11.5006, 0.4643, 0.2332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

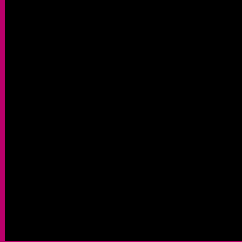
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5006, 0.4643, 0.2332

Background



This preview shows how black text looks on a background with the Yxy color 11.5006, 0.4643, 0.2332.



This preview shows how white text looks on a background with the Yxy color 11.5006, 0.4643, 0.2332.

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

11.5006, 0.4643, 0.2332

Protanopia

12.2353, 0.2261, 0.2129

Deuteranopia

12.2111, 0.3254, 0.3203



Tritanopia

11.7754, 0.5741, 0.3289

Trichromacy



Original Color

11.5006, 0.4643, 0.2332



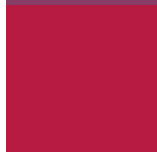
Protanomaly

8.8566, 0.2853, 0.1888



Deuteranomaly

9.5310, 0.3801, 0.2548



Tritanomaly

11.2445, 0.5448, 0.2930

Monochromacy



Original Color

11.5006, 0.4643, 0.2332



Achromatopsia

5.7805, 0.3127, 0.3290



Achromatomaly

5.7165, 0.3842, 0.2456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5006, 0.4643, 0.2332 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(186, 0, 107)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 107)  
}
```

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(186, 0, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 107) }
```

Border

The CSS property to change the border of an element to Yxy 11.5006, 0.4643, 0.2332 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(186, 0, 107) }
```

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

```
.border{ border-color:rgb(186, 0, 107) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5006, 0.4643, 0.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 107) }
```

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

```
.background{ background-color: rgb(186, 0,  
107) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor