

Converting Colors

$Y_{xy}(14.5838, 0.3670, 0.2270)$

Have a look what the booklet for
Yxy(14.5838, 0.3670, 0.2270)
contains.

Yxy(14.5363, 0.3666, 0.2272)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.5363, 0.3666, 0.2272)

Conversions

Conversions Part 1

Format	Color
Hex	AB438B
RGB	171, 67, 139
RGB Percent	67%, 26%, 55%
CMY	0.3295, 0.7371, 0.4550
CMYK	0.00, 0.61, 0.19, 0.33
HSL	318°, 44%, 47%
HSV	318°, 61%, 67%
XYZ	23.4551, 14.5363, 25.9888
YIQ	106.3040, 38.8720, 44.4400

Conversions

Conversions Part 2

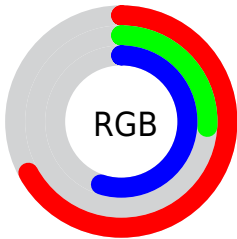
Format	Color
R_{YB}	171, 67, 139
Decimal	11223947
CIE _{Lab}	44.99, 50.72, -18.90
CIE _{LCh}	45, 54.129, 339.561
Yxy	14.5363, 0.3666, 0.2272
Android (android.graphics.Color)	4289414027 (0xFFAB438B)
YUV	106.3040, 16.1191, 56.7384
Hunter-Lab	38.1265, 43.0905, -13.7262

Details

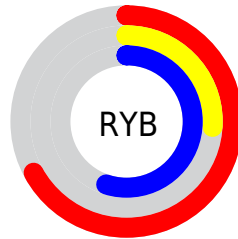
The Yxy color **14.5363, 0.3666, 0.2272** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **31.2088, 0.2848, 0.4647**, and the grayscale version is **14.4512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1830, 0.3549, 0.2487**, and **4.4560, 0.3868, 0.1912** is the 20% darker color. If you saturate the color by 10%, you get **12.6441, 0.3792, 0.2159**, and if you desaturate by 10%, it is **17.0374, 0.3548, 0.2416**.

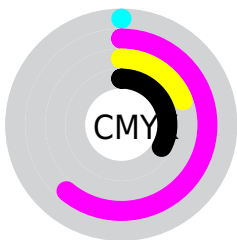
Distribution



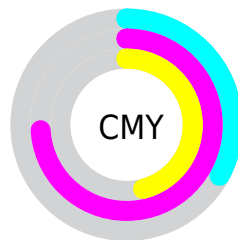
- Red (67%)
- Green (26%)
- Blue (55%)



- Red (67%)
- Yellow (26%)
- Blue (55%)



- Cyan (0%)
- Magenta (61%)
- Yellow (19%)
- Black (33%)





- Cyan (33%)
- Magenta (74%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.5363, 0.3666, 0.2272 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 14.5363, 0.3666, 0.2272 by changing the saturation by 10% instead.


 14.5363, 0.3666,
0.2272


 14.5363, 0.3666,
0.2272


220.5421, 0.3368,
0.2830


 8.4946, 0.3750,
0.2116


 34.0376, 0.3551,
0.2487

 4.4130, 0.3865,
0.1907


 48.2661, 0.3510,
0.2564


 1.9072, 0.4028,
0.1614

 65.9922, 0.3476,
0.2627

 0.5527, 0.4308,
0.1112

 87.6004, 0.3447,
0.2681

 0.0000, 0.4977,
0.0000

 113.4751, 0.3423,
0.2726

 0.0000, 0.0000,
0.0000

144.0007, 0.3402,

0.2765

179.5616, 0.3384,
0.2800

■ 14.5363, 0.3666,
0.2272

■ 14.5363, 0.3666,
0.2272

■ 12.6441, 0.3792,
0.2159

■ 17.0374, 0.3548,
0.2416

■ 11.3040, 0.3921,
0.2086

■ 20.1934, 0.3442,
0.2581

■ 10.4523, 0.4051,
0.2060

■ 24.0481, 0.3346,
0.2756

■ 9.9703, 0.4169,
0.2070

■ 28.6410, 0.3264,
0.2934

■ 34.0087, 0.3192,
0.3109

■ 40.1852, 0.3132,
0.3277

■ 47.2026, 0.3080,
0.3436

■ 55.0912, 0.3037,
0.3584

■ 63.8798, 0.3001,
0.3721

Harmonies

Analogous

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



14.5363, 0.2574, 0.1872



14.5363, 0.3666, 0.2272



14.5363, 0.4745, 0.2867

Triad

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



14.5363, 0.3666, 0.2272



14.5363, 0.4311, 0.5035



14.5363, 0.1375, 0.2430

Complementary

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



14.5363, 0.3666, 0.2272



31.2088, 0.2848, 0.4647

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.



14.5363, 0.1674, 0.3480



14.5363, 0.3666, 0.2272



14.5363, 0.3348, 0.5369

Square

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



14.5363, 0.3666, 0.2272



14.5363, 0.5042, 0.4307



14.5363, 0.2379, 0.4761



14.5363, 0.1432, 0.1885

Rectangle

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



14.5363, 0.3666, 0.2272



14.5363, 0.5176, 0.3322



14.5363, 0.2379, 0.4761



14.5363, 0.1432, 0.2723

Sweetspot

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



14.5370, 0.3666, 0.2272



53.5591, 0.3245, 0.2978



9.5673, 0.2268, 0.1505



11.3699, 0.3266, 0.2927



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.



14.5370, 0.3666, 0.2272



21.7060, 0.3837, 0.2128



13.3752, 0.4606, 0.2998



8.1055, 0.3183, 0.3134



7.5293, 0.4157, 0.2064



0.2186, 0.3809, 0.1872

Inverse Universe

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



14.5370, 0.3666, 0.2272



21.7060, 0.3837, 0.2128



32.5152, 0.2518, 0.3656



8.1055, 0.3183, 0.3134



7.5293, 0.4157, 0.2064



0.2186, 0.3809, 0.1872

Previews

White Background



This preview shows how the Yxy color 14.5363, 0.3666, 0.2272 looks on a white background.

Color Contrast Check

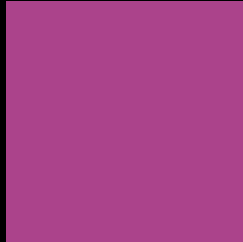
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5363, 0.3666, 0.2272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

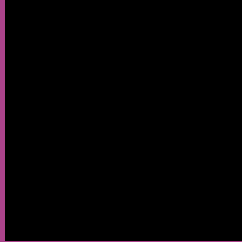
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5363, 0.3666, 0.2272

Background



This preview shows how black text looks on a background with the Yxy color 14.5363, 0.3666, 0.2272.



This preview shows how white text looks on a background with the Yxy color 14.5363, 0.3666, 0.2272.

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

14.5363, 0.3666, 0.2272

Protanopia

14.8151, 0.2265, 0.2127

Deuteranopia

14.7397, 0.2778, 0.2731



Tritanopia

14.5162, 0.4473, 0.3202

Trichromacy



Original Color

14.5363, 0.3666, 0.2272

Protanomaly

13.6295, 0.2649, 0.2120

Deuteranomaly

13.8206, 0.3064, 0.2489

Tritanomaly

14.3769, 0.4191, 0.2841

Monochromacy



Original Color

14.5363, 0.3666, 0.2272

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.7081, 0.3331, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5363, 0.3666, 0.2272 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(171, 67, 139)` looks like.

```
.text, #text, p{  
    color:rgb(171, 67, 139)  
}
```

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(171, 67, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 67, 139) }
```

Border

The CSS property to change the border of an element to Yxy 14.5363, 0.3666, 0.2272 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(171, 67, 139) }
```

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

```
.border{ border-color:rgb(171, 67, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 67, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 67, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 67, 139);  
box-shadow:4px 4px 4px 4px rgb(171, 67,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5363, 0.3666, 0.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 67, 139) }
```

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

```
.background{ background-color: rgb(171, 67,  
139) }
```

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