

Converting Colors

$Y_{xy}(15.4137, 0.3678, 0.2501)$

Have a look what the booklet for
Yxy(15.4137, 0.3678, 0.2501)
contains.

Yxy(15.5103, 0.3677, 0.2506)	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(15.5103, 0.3677, 0.2506)

Conversions

Conversions Part 1

Format	Color
Hex	A65084
RGB	166, 80, 132
RGB Percent	65%, 31%, 52%
CMY	0.3491, 0.6862, 0.4823
CMYK	0.00, 0.52, 0.20, 0.35
HSL	324°, 35%, 48%
HSV	324°, 52%, 65%
XYZ	22.7579, 15.5103, 23.6244
YIQ	111.6420, 34.5640, 34.4040

Conversions

Conversions Part 2

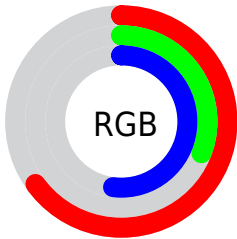
Format	Color
R_{YB}	166, 80, 132
Decimal	10899588
CIE _{Lab}	46.33, 41.84, -12.72
CIE _{LCh}	46, 43.729, 343.086
Yxy	15.5103, 0.3677, 0.2506
Android (android.graphics.Color)	4289089668 (0xFFA65084)
YUV	111.6420, 10.0365, 47.6720
Hunter-Lab	39.3831, 34.2276, -7.9976

Details

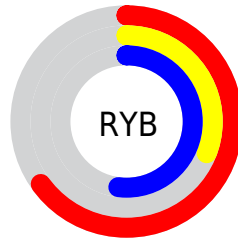
The Yxy color **15.5103, 0.3677, 0.2506** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **30.1899, 0.2820, 0.4260**, and the grayscale version is **16.0566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6933, 0.3556, 0.2675**, and **4.8844, 0.3923, 0.2223** is the 20% darker color. If you saturate the color by 10%, you get **13.1988, 0.3834, 0.2381**, and if you desaturate by 10%, it is **18.4350, 0.3536, 0.2651**.

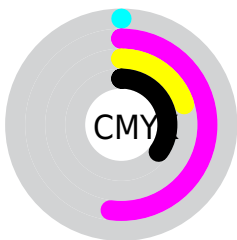
Distribution



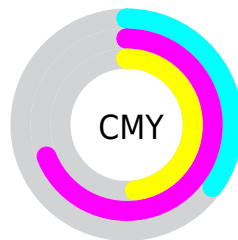
- Red (65%)
- Green (31%)
- Blue (52%)



- Red (65%)
- Yellow (31%)
- Blue (52%)



- Cyan (0%)
- Magenta (52%)
- Yellow (20%)
- Black (35%)





- Cyan (35%)
- Magenta (69%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5103, 0.3677, 0.2506 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 15.5103, 0.3677, 0.2506 by changing the saturation by 10% instead.

 15.5103, 0.3677,
0.2506


 15.5103, 0.3677,
0.2506


226.4345, 0.3366,
0.2942


 9.1783, 0.3769,
0.2380


 35.7459, 0.3554,
0.2676

 4.8577, 0.3899,
0.2208


 50.4184, 0.3511,
0.2737


 2.1640, 0.4091,
0.1958

 68.6398, 0.3475,
0.2786

 0.7003, 0.4418,
0.1546

 90.7945, 0.3446,
0.2828

 0.0000, 0.5870,
0.0000

 117.2669, 0.3421,
0.2863

 0.0000, 0.0000,
0.0000

148.4414, 0.3400,

0.2893

184.7025, 0.3382,
0.2919

■ 15.5103, 0.3677,
0.2506

■ 15.5103, 0.3677,
0.2506

■ 13.1988, 0.3834,
0.2381

■ 18.4350, 0.3536,
0.2651

■ 11.4531, 0.4005,
0.2287

■ 22.0114, 0.3412,
0.2805

■ 10.2223, 0.4183,
0.2235

■ 26.2773, 0.3306,
0.2963

■ 9.4453, 0.4362,
0.2231

■ 31.2671, 0.3216,
0.3117

■ 9.0333, 0.4508,
0.2257

■ 37.0127, 0.3139,
0.3264

■ 43.5443, 0.3076,
0.3403

■ 50.8904, 0.3023,
0.3533

■ 59.0778, 0.2978,
0.3653

■ 68.1324, 0.2942,
0.3763

Harmonies

Analogous

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



15.5103, 0.2786, 0.2136



15.5103, 0.3677, 0.2506



15.5103, 0.4489, 0.3037

Triad

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



15.5103, 0.3677, 0.2506



15.5103, 0.4066, 0.4788



15.5103, 0.1657, 0.2549

Complementary

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



15.5103, 0.3677, 0.2506



30.1899, 0.2820, 0.4260

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.



15.5103, 0.1897, 0.3350



15.5103, 0.3677, 0.2506



15.5103, 0.3263, 0.4889

Square

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



15.5103, 0.3677, 0.2506



15.5103, 0.4667, 0.4274



15.5103, 0.2467, 0.4314



15.5103, 0.1733, 0.2109

Rectangle

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



15.5103, 0.3677, 0.2506



15.5103, 0.4798, 0.3440



15.5103, 0.2467, 0.4314



15.5103, 0.1701, 0.2778

Sweetspot

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



15.5111, 0.3677, 0.2506



52.5117, 0.3254, 0.3048



12.0007, 0.2506, 0.1816



11.3546, 0.3272, 0.3017



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.



15.5111, 0.3677, 0.2506



23.4700, 0.3857, 0.2366



14.5840, 0.4401, 0.3140



7.6156, 0.3195, 0.3154



7.0151, 0.4493, 0.2249



0.1803, 0.3970, 0.1961

Inverse Universe

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



15.5111, 0.3677, 0.2506



23.4700, 0.3857, 0.2366



31.3739, 0.2532, 0.3463



7.6156, 0.3195, 0.3154



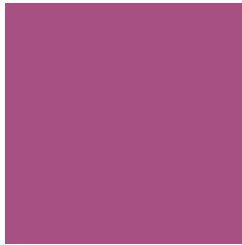
7.0151, 0.4493, 0.2249



0.1803, 0.3970, 0.1961

Previews

White Background



This preview shows how the Yxy color 15.5103, 0.3677, 0.2506 looks on a white background.

Color Contrast Check

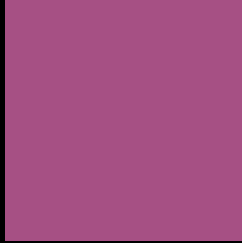
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5103, 0.3677, 0.2506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

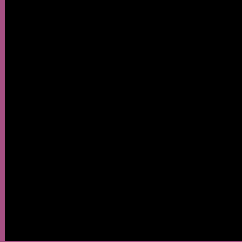
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5103, 0.3677, 0.2506

Background



This preview shows how black text looks on a background with the Yxy color 15.5103, 0.3677, 0.2506.



This preview shows how white text looks on a background with the Yxy color 15.5103, 0.3677, 0.2506.

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

15.5103, 0.3677, 0.2506

Protanopia

15.7786, 0.2513, 0.2455

Deuteranopia

15.7681, 0.2961, 0.2917



Tritanopia

15.4690, 0.4219, 0.3197

Trichromacy



Original Color

15.5103, 0.3677, 0.2506

Protanomaly

14.9173, 0.2862, 0.2439

Deuteranomaly

15.2259, 0.3196, 0.2727

Tritanomaly

15.3662, 0.4014, 0.2929

Monochromacy



Original Color

15.5103, 0.3677, 0.2506

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.3518, 0.3330, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5103, 0.3677, 0.2506 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(166, 80, 132)` looks like.

```
.text, #text, p{  
    color:rgb(166, 80, 132)  
}
```

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(166, 80, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 80, 132) }
```

Border

The CSS property to change the border of an element to Yxy 15.5103, 0.3677, 0.2506 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(166, 80, 132) }
```

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

```
.border{ border-color:rgb(166, 80, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 80, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 80, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 80, 132);  
box-shadow:4px 4px 4px 4px rgb(166, 80,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5103, 0.3677, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 80, 132) }
```

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

```
.background{ background-color: rgb(166, 80,  
132) }
```

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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