

Converting Colors

$Y_{xy}(16.7945, 0.2703, 0.2358)$

Have a look what the booklet for
Yxy(16.7945, 0.2703, 0.2358)
contains.

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Color

Yxy(16.8762, 0.2710, 0.2370)

Conversions

Conversions Part 1

Format	Color
Hex	796A9F
RGB	121, 106, 159
RGB Percent	47%, 42%, 62%
CMY	0.5254, 0.5843, 0.3765
CMYK	0.24, 0.33, 0.00, 0.38
HSL	257°, 22%, 52%
HSV	257°, 33%, 62%
XYZ	19.2973, 16.8762, 35.0341
YIQ	116.5270, -8.0730, 19.6630

Conversions

Conversions Part 2

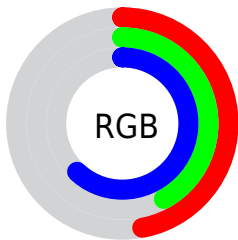
Format	Color
R_{YB}	121, 106, 159
Decimal	7957151
CIE _{Lab}	48.10, 17.56, -26.52
CIE _{LCh}	48, 31.811, 303.508
Yxy	16.8762, 0.2710, 0.2370
Android (android.graphics.Color)	4286147231 (0xFF796A9F)
YUV	116.5270, 20.9392, 3.9228
Hunter-Lab	41.0807, 11.9576, -21.8069

Details

The Yxy color **16.8762, 0.2710, 0.2370** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.7586, 0.3458, 0.4145**, and the grayscale version is **17.5723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9677, 0.2807, 0.2559**, and **5.5291, 0.2528, 0.2051** is the 20% darker color. If you saturate the color by 10%, you get **13.1229, 0.2552, 0.2054**, and if you desaturate by 10%, it is **21.3355, 0.2854, 0.2673**.

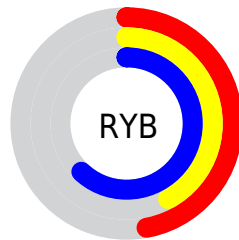
Distribution



Red (47%)

Green (42%)

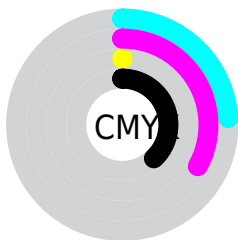
Blue (62%)



Red (47%)

Yellow (42%)

Blue (62%)

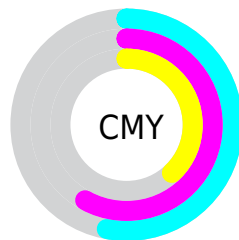


Cyan (24%)

Magenta (33%)

Yellow (0%)

Black (38%)



Cyan (53%)

Magenta (58%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8762, 0.2710, 0.2370 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 16.8762, 0.2710, 0.2370 by changing the saturation by 10% instead.

■ 16.8762, 0.2710,
0.2370

■ 16.8762, 0.2710,
0.2370

234.4579, 0.2957,
0.2877

■ 10.1463, 0.2633,
0.2228

■ 38.1128, 0.2810,
0.2566

■ 5.4960, 0.2523,
0.2036

■ 53.3882, 0.2845,
0.2636

■ 2.5411, 0.2356,
0.1767

■ 72.2810, 0.2872,
0.2693

■ 0.8972, 0.2078,
0.1369

■ 95.1754, 0.2895,
0.2742

■ 0.0000, 0.1136,
0.0000

122.4559, 0.2914,
0.2783

■ 0.0000, 0.0000,
0.0000

154.5069, 0.2931,

0.2819

191.7128, 0.2945,
0.2849

■ 16.8762, 0.2710,
0.2370

■ 16.8762, 0.2710,
0.2370

■ 13.1229, 0.2552,
0.2054

■ 21.3355, 0.2854,
0.2673

■ 10.0367, 0.2383,
0.1736

■ 26.5332, 0.2982,
0.2954

■ 7.5778, 0.2211,
0.1432

■ 32.5017, 0.3093,
0.3210

■ 5.7012, 0.2044,
0.1161

■ 39.2714, 0.3190,
0.3441

■ 4.3556, 0.1892,
0.0941

■ 46.8705, 0.3272,
0.3646

■ 3.4806, 0.1763,
0.0785

■ 55.3261, 0.3342,
0.3827

■ 3.0616, 0.1691,
0.0705

■ 64.6642, 0.3401,
0.3987

■ 74.9093, 0.3452,
0.4127

■ 86.0852, 0.3494,
0.4251

Harmonies

Analogous

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



16.8762, 0.2261, 0.2329



16.8762, 0.2710, 0.2370



16.8762, 0.3322, 0.2604

Triad

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



16.8762, 0.2710, 0.2370



16.8762, 0.4331, 0.3921



16.8762, 0.2348, 0.3563

Complementary

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



16.8762, 0.2710, 0.2370



31.7586, 0.3458, 0.4145

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.



16.8762, 0.2850, 0.4155



16.8762, 0.2710, 0.2370



16.8762, 0.4003, 0.4302

Square

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



16.8762, 0.2710, 0.2370



16.8762, 0.4316, 0.3449



16.8762, 0.3456, 0.4428



16.8762, 0.2067, 0.2944

Rectangle

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



16.8762, 0.2710, 0.2370



16.8762, 0.3743, 0.2846



16.8762, 0.3456, 0.4428



16.8762, 0.2495, 0.3779

Sweetspot

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



16.8769, 0.2710, 0.2370



50.7301, 0.3019, 0.3037



25.7737, 0.2634, 0.3044



11.1286, 0.3003, 0.3002



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.8769, 0.2710, 0.2370



25.1152, 0.2594, 0.2136



18.9792, 0.3013, 0.2446



6.5217, 0.3029, 0.3062



2.4375, 0.1699, 0.0710



0.0633, 0.2117, 0.0940

Inverse Universe

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



19.6905, 0.3351, 0.2695



31.0232, 0.3417, 0.2562



29.7088, 0.3198, 0.4219



6.7225, 0.3178, 0.3131



6.7879, 0.4063, 0.2012



0.1282, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 16.8762, 0.2710, 0.2370 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 16.8762, 0.2710, 0.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

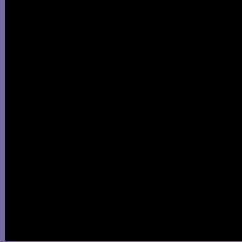
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.8762, 0.2710, 0.2370

Background



This preview shows how black text looks on a background with the Yxy color 16.8762, 0.2710, 0.2370.



This preview shows how white text looks on a background with the Yxy color 16.8762, 0.2710, 0.2370.

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

16.8762, 0.2710, 0.2370

Protanopia

17.0873, 0.2443, 0.2366

Deuteranopia

16.9882, 0.2511, 0.2461



Tritanopia

16.7928, 0.3032, 0.3113

Trichromacy



Original Color

16.8762, 0.2710, 0.2370

Protanomaly

16.8247, 0.2529, 0.2358

Deuteranomaly

16.8086, 0.2584, 0.2422

Tritanomaly

16.6830, 0.2920, 0.2818

Monochromacy



Original Color

16.8762, 0.2710, 0.2370

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3277, 0.2967, 0.2931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8762, 0.2710, 0.2370 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(121, 106, 159)` looks like.

```
.text, #text, p{  
    color:rgb(121, 106, 159)  
}
```

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(121, 106, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 106, 159) }
```

Border

The CSS property to change the border of an element to Yxy 16.8762, 0.2710, 0.2370 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(121, 106, 159) }
```

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

```
.border{ border-color:rgb(121, 106, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 106, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 106, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 106, 159);  
box-shadow:4px 4px 4px 4px rgb(121, 106,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8762, 0.2710, 0.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 106, 159) }
```

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

```
.background{ background-color: rgb(121,  
106, 159) }
```

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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