

Converting Colors

$Y_{xy}(23.7211, 0.3611, 0.2875)$

Have a look what the booklet for
Yxy(23.7211, 0.3611, 0.2875)
contains.

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Color

Yxy(23.7211, 0.3611, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	B4728F
RGB	180, 114, 143
RGB Percent	71%, 45%, 56%
CMY	0.2942, 0.5529, 0.4392
CMYK	0.00, 0.37, 0.21, 0.29
HSL	334°, 31%, 58%
HSV	334°, 37%, 71%
XYZ	29.7937, 23.7211, 28.9934
YIQ	137.0400, 30.0270, 23.0110

Conversions

Conversions Part 2

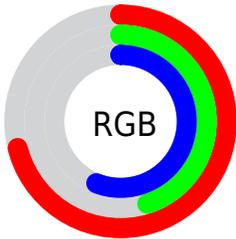
Format	Color
R _Y B	180, 114, 143
Decimal	11825807
CIE Lab	55.81, 30.14, -4.86
CIE LCh	56, 30.525, 350.832
Yxy	23.7211, 0.3611, 0.2875
Android (android.graphics.Color)	4290015887 (0xFFB4728F)
YUV	137.0400, 2.9383, 37.6759
Hunter-Lab	48.7043, 23.9606, -1.2019

Details

The Yxy color $23.7211, 0.3611, 0.2875$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $38.4469, 0.2815, 0.3752$, and the grayscale version is $25.0131, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.6732, 0.3505, 0.2960$, and $8.8927, 0.3793, 0.2717$ is the 20% darker color. If you saturate the color by 10%, you get $19.7608, 0.3807, 0.2763$, and if you desaturate by 10%, it is $28.5100, 0.3445, 0.2992$.

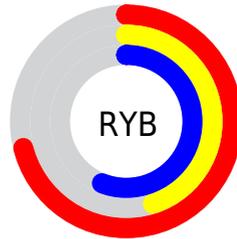
Distribution



Red (71%)

Green (45%)

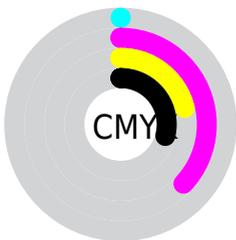
Blue (56%)



Red (71%)

Yellow (45%)

Blue (56%)

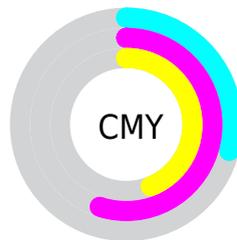


Cyan (0%)

Magenta (37%)

Yellow (21%)

Black (29%)



Cyan (29%)

Magenta (55%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7211, 0.3611, 0.2875 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 23.7211, 0.3611, 0.2875 by changing the saturation by 10% instead.

 23.7211, 0.3611,
0.2875

 23.7211, 0.3611,
0.2875

271.4074, 0.3345,
0.3100

 15.1269, 0.3687,
0.2812

 49.5747, 0.3508,
0.2961

 8.9085, 0.3790,
0.2728

 67.6028, 0.3471,
0.2992

 4.6815, 0.3940,
0.2607

 89.5444, 0.3441,
0.3018

 2.0616, 0.4177,
0.2421

 115.7838, 0.3416,
0.3040

 0.6429, 0.4633,
0.2048

146.7054, 0.3394,
0.3058

 0.0000, 1.0000,
0.0000

182.6936, 0.3375,

 0.0000, 0.0000,

0.3074

0.0000

224.1328, 0.3359,
0.3088

■ 23.7211, 0.3611,
0.2875

■ 23.7211, 0.3611,
0.2875

■ 19.7608, 0.3807,
0.2763

■ 28.5100, 0.3445,
0.2992

■ 16.5780, 0.4034,
0.2664

■ 34.1681, 0.3307,
0.3108

■ 14.1210, 0.4289,
0.2588

■ 40.7374, 0.3192,
0.3219

■ 12.3304, 0.4565,
0.2550

■ 48.2559, 0.3097,
0.3324

■ 11.1374, 0.4848,
0.2559

■ 56.7598, 0.3020,
0.3422

 10.4478, 0.5121,
0.2620

 66.2831, 0.2955,
0.3512

 10.2664, 0.5211,
0.2644

 76.8583, 0.2902,
0.3594

 86.5875, 0.2856,
0.3638

 87.1505, 0.2805,
0.3522

Harmonies

Analogous

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



23.7211, 0.3066, 0.2586



23.7211, 0.3611, 0.2875



23.7211, 0.4040, 0.3263

Triad

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



23.7211, 0.3611, 0.2875



23.7211, 0.3633, 0.4255



23.7211, 0.2163, 0.2759

Complementary

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



23.7211, 0.3611, 0.2875



38.4469, 0.2815, 0.3752

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.



23.7211, 0.2285, 0.3213



23.7211, 0.3611, 0.2875



23.7211, 0.3114, 0.4160

Square

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



23.7211, 0.3611, 0.2875



23.7211, 0.4036, 0.4053



23.7211, 0.2623, 0.3753



23.7211, 0.2266, 0.2500

Rectangle

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



23.7211, 0.3611, 0.2875



23.7211, 0.4180, 0.3543



23.7211, 0.2623, 0.3753



23.7211, 0.2178, 0.2892

Sweetspot

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



23.7222, 0.3611, 0.2875



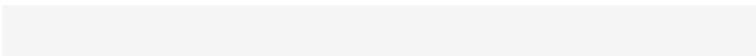
68.2684, 0.3241, 0.3170



21.8449, 0.2839, 0.2307



14.4143, 0.3257, 0.3155



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



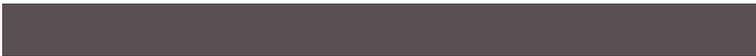
23.7222, 0.3611, 0.2875



37.0914, 0.3767, 0.2783



23.7121, 0.3981, 0.3341



8.5652, 0.3221, 0.3190



7.1802, 0.5182, 0.2628



0.2377, 0.4496, 0.2250

Inverse Universe

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



23.7222, 0.3611, 0.2875



37.0914, 0.3767, 0.2783



38.1913, 0.2615, 0.3238



8.5652, 0.3221, 0.3190



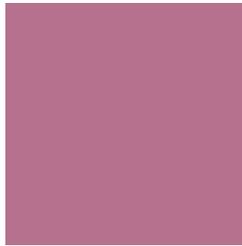
7.1802, 0.5182, 0.2628



0.2377, 0.4496, 0.2250

Previews

White Background



This preview shows how the Yxy color 23.7211, 0.3611, 0.2875 looks on a white background.

Color Contrast Check

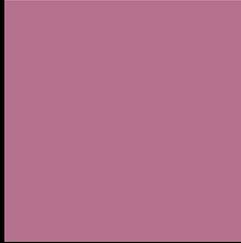
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.7211, 0.3611, 0.2875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

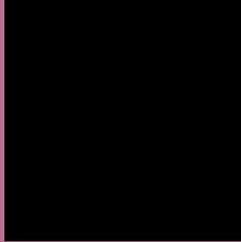
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7211, 0.3611, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 23.7211, 0.3611, 0.2875.



This preview shows how white text looks on a background with the Yxy color 23.7211, 0.3611, 0.2875.

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

23.7211, 0.3611, 0.2875

Protanopia

23.8874, 0.2875, 0.2921

Deuteranopia

23.7880, 0.3181, 0.3125



Tritanopia

23.6939, 0.3799, 0.3160

Trichromacy



Original Color

23.7211, 0.3611, 0.2875

Protanomaly

23.4520, 0.3111, 0.2889

Deuteranomaly

23.5065, 0.3332, 0.3022

Tritanomaly

23.7404, 0.3736, 0.3058

Monochromacy



Original Color

23.7211, 0.3611, 0.2875

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.3369, 0.3298, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7211, 0.3611, 0.2875 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(180, 114, 143)` looks like.

```
.text, #text, p{  
    color:rgb(180, 114, 143)  
}
```

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(180, 114, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 114, 143) }
```

Border

The CSS property to change the border of an element to Yxy 23.7211, 0.3611, 0.2875 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(180, 114, 143) }
```

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

```
.border{ border-color:rgb(180, 114, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 114, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 114, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 114, 143);  
box-shadow:4px 4px 4px 4px rgb(180, 114,  
143) }
```

Background

The CSS property to change the background color of an element to Yxy 23.7211, 0.3611, 0.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 114, 143) }
```

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

```
.background{ background-color: rgb(180,  
114, 143) }
```

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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