

Converting Colors

$Y_{xy}(23.4223, 0.2662, 0.2380)$

Have a look what the booklet for
Yxy(23.4223, 0.2662, 0.2380)
contains.

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Color

Yxy(23.4043, 0.2659, 0.2372)

Conversions

Conversions Part 1

Format	Color
Hex	887DB9
RGB	136, 125, 185
RGB Percent	53%, 49%, 73%
CMY	0.4669, 0.5097, 0.2745
CMYK	0.27, 0.32, 0.00, 0.27
HSL	251°, 30%, 61%
HSV	251°, 32%, 73%
XYZ	26.2361, 23.4043, 49.0287
YIQ	135.1290, -12.7040, 20.9920

Conversions

Conversions Part 2

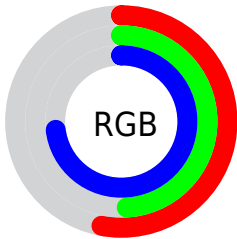
Format	Color
R_{YB}	136, 125, 185
Decimal	8945081
CIE _{Lab}	55.49, 17.42, -30.04
CIE _{LCh}	55, 34.729, 300.112
Yxy	23.4043, 0.2659, 0.2372
Android (android.graphics.Color)	4287135161 (0xFF887DB9)
YUV	135.1290, 24.5864, 0.7639
Hunter-Lab	48.3780, 12.1417, -26.2228

Details

The Yxy color $23.4043, 0.2659, 0.2372$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $45.1827, 0.3508, 0.4115$, and the grayscale version is $24.1876, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.1388, 0.2761, 0.2558$, and $8.7661, 0.2485, 0.2076$ is the 20% darker color. If you saturate the color by 10%, you get $17.9704, 0.2480, 0.2042$, and if you desaturate by 10%, it is $29.8912, 0.2823, 0.2685$.

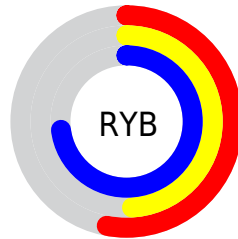
Distribution



Red (53%)

Green (49%)

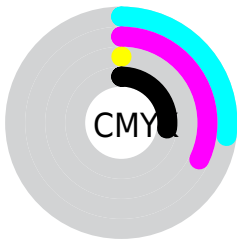
Blue (73%)



Red (53%)

Yellow (49%)

Blue (73%)

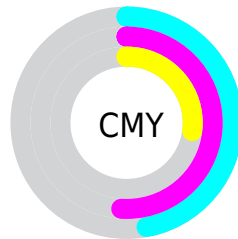


Cyan (27%)

Magenta (32%)

Yellow (0%)

Black (27%)



Cyan (47%)


Magenta (51%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4043, 0.2659, 0.2372 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 23.4043, 0.2659, 0.2372 by changing the saturation by 10% instead.


 23.4043, 0.2659,
0.2372


 23.4043, 0.2659,
0.2372


269.7948, 0.2921,
0.2854


 14.8923, 0.2584,
0.2246


 49.0563, 0.2761,
0.2552

 8.7439, 0.2483,
0.2082


 66.9652, 0.2797,
0.2618

 4.5745, 0.2338,
0.1861

 88.7751, 0.2827,
0.2673

 1.9998, 0.2118,
0.1551

114.8705, 0.2852,
0.2720

 0.6074, 0.1768,
0.1060

145.6358, 0.2873,
0.2761

 0.0000, 0.0000,
0.0000

181.4554, 0.2892,

0.2796

222.7136, 0.2907,
0.2826

■ 23.4043, 0.2659,
0.2372

■ 23.4043, 0.2659,
0.2372

■ 17.9704, 0.2480,
0.2042

■ 29.8912, 0.2823,
0.2685

■ 13.5308, 0.2291,
0.1708

■ 37.4801, 0.2970,
0.2973

■ 10.0252, 0.2102,
0.1388

■ 46.2202, 0.3099,
0.3232

■ 7.3854, 0.1925,
0.1104

■ 56.1571, 0.3210,
0.3462

■ 5.5339, 0.1771,
0.0877

■ 67.3337, 0.3305,
0.3664

■ 4.3788, 0.1651,
0.0723

■ 79.7908, 0.3387,
0.3841

■ 3.8372, 0.1584,
0.0646

■ 93.5674, 0.3456,
0.3995

■ 96.2824, 0.3544,
0.3979

Harmonies

Analogous

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



23.4043, 0.2241, 0.2356



23.4043, 0.2659, 0.2372



23.4043, 0.3247, 0.2583

Triad

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



23.4043, 0.2659, 0.2372



23.4043, 0.4324, 0.3861



23.4043, 0.2410, 0.3630

Complementary

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



23.4043, 0.2659, 0.2372



45.1827, 0.3508, 0.4115

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.



23.4043, 0.2922, 0.4185



23.4043, 0.2659, 0.2372



23.4043, 0.4036, 0.4249

Square

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



23.4043, 0.2659, 0.2372



23.4043, 0.4265, 0.3395



23.4043, 0.3518, 0.4407



23.4043, 0.2106, 0.3014

Rectangle

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



23.4043, 0.2659, 0.2372



23.4043, 0.3663, 0.2810



23.4043, 0.3518, 0.4407



23.4043, 0.2562, 0.3837

Sweetspot

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



23.4052, 0.2659, 0.2372



70.4774, 0.3001, 0.3034



38.5230, 0.2653, 0.3140



14.7448, 0.2982, 0.2996



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



23.4052, 0.2659, 0.2372



34.7100, 0.2531, 0.2135



26.1753, 0.2952, 0.2445



8.7960, 0.3012, 0.3056



2.6366, 0.1592, 0.0651



0.1170, 0.1826, 0.0780

Inverse Universe

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



28.0453, 0.3280, 0.2629



44.4079, 0.3322, 0.2483



42.1967, 0.3248, 0.4188



9.1339, 0.3164, 0.3105



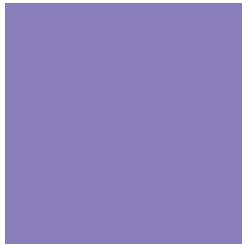
8.5613, 0.3723, 0.1825



0.3092, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 23.4043, 0.2659, 0.2372 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 23.4043, 0.2659, 0.2372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

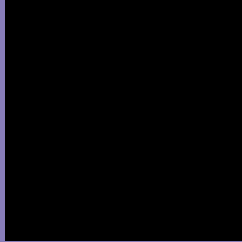
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4043, 0.2659, 0.2372

Background



This preview shows how black text looks on a background with the Yxy color 23.4043, 0.2659, 0.2372.



This preview shows how white text looks on a background with the Yxy color 23.4043, 0.2659, 0.2372.

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

23.4043, 0.2659, 0.2372

Protanopia

23.5277, 0.2439, 0.2356

Deuteranopia

23.4063, 0.2497, 0.2439



Tritanopia

23.3779, 0.2960, 0.3100

Trichromacy



Original Color

23.4043, 0.2659, 0.2372

Protanomaly

23.4689, 0.2515, 0.2365

Deuteranomaly

23.3722, 0.2554, 0.2419

Tritanomaly

23.2938, 0.2845, 0.2808

Monochromacy



Original Color

23.4043, 0.2659, 0.2372

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.6834, 0.2946, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4043, 0.2659, 0.2372 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(136, 125, 185)` looks like.

```
.text, #text, p{  
    color:rgb(136, 125, 185)  
}
```

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(136, 125, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 125, 185) }
```

Border

The CSS property to change the border of an element to Yxy 23.4043, 0.2659, 0.2372 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(136, 125, 185) }
```

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

```
.border{ border-color:rgb(136, 125, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 125, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 125, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 125, 185);  
box-shadow:4px 4px 4px 4px rgb(136, 125,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4043, 0.2659, 0.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 125, 185) }
```

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

```
.background{ background-color: rgb(136,  
125, 185) }
```

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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