

Converting Colors

$Y_{xy}(23.1874, 0.2636, 0.2436)$

Have a look what the booklet for
Yxy(23.1874, 0.2636, 0.2436)
contains.

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Color

Yxy(23.2608, 0.2638, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	827FB5
RGB	130, 127, 181
RGB Percent	51%, 50%, 71%
CMY	0.4902, 0.5020, 0.2901
CMYK	0.28, 0.30, 0.00, 0.29
HSL	243°, 27%, 60%
HSV	243°, 30%, 71%
XYZ	25.1381, 23.2608, 46.8932
YIQ	134.0530, -15.5460, 17.4300

Conversions

Conversions Part 2

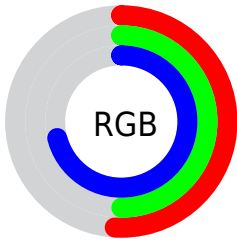
Format	Color
R_{YB}	130, 127, 181
Decimal	8552373
CIE _{Lab}	55.34, 13.45, -28.04
CIE _{LCh}	55, 31.094, 295.626
Yxy	23.2608, 0.2638, 0.2441
Android (android.graphics.Color)	4286742453 (0xFF827FB5)
YUV	134.0530, 23.1449, -3.5545
Hunter-Lab	48.2295, 8.6359, -23.8867

Details

The Yxy color $23.2608, 0.2638, 0.2441$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $44.0565, 0.3542, 0.4030$, and the grayscale version is $23.7792, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9473, 0.2745, 0.2615$, and $8.6696, 0.2456, 0.2162$ is the 20% darker color. If you saturate the color by 10%, you get $17.7570, 0.2440, 0.2103$, and if you desaturate by 10%, it is $29.8310, 0.2821, 0.2756$.

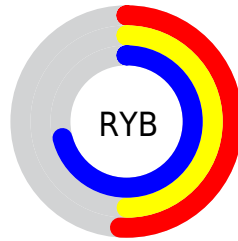
Distribution



Red (51%)

Green (50%)

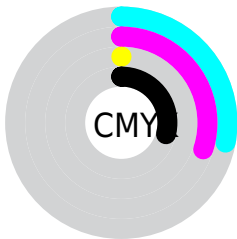
Blue (71%)



Red (51%)

Yellow (50%)

Blue (71%)

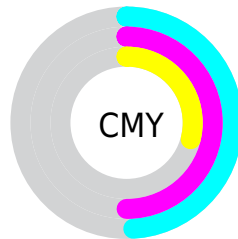


Cyan (28%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (49%)

Magenta (50%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2608, 0.2638, 0.2441 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 23.2608, 0.2638, 0.2441 by changing the saturation by 10% instead.

■ 23.2608, 0.2638,
0.2441

■ 23.2608, 0.2638,
0.2441

269.0617, 0.2910,
0.2891

■ 14.7862, 0.2561,
0.2321

■ 48.8212, 0.2744,
0.2610

■ 8.6695, 0.2456,
0.2164

■ 66.6758, 0.2781,
0.2672

■ 4.5262, 0.2306,
0.1950

■ 88.4258, 0.2812,
0.2724

■ 1.9721, 0.2079,
0.1645

114.4557, 0.2838,
0.2767

■ 0.5912, 0.1717,
0.1139

145.1499, 0.2860,
0.2805

■ 0.0000, 0.0000,
0.0000

180.8927, 0.2879,

0.2837

222.0685, 0.2896,
0.2866

■ 23.2608, 0.2638,
0.2441

■ 23.2608, 0.2638,
0.2441

■ 17.7570, 0.2440,
0.2103

■ 29.8310, 0.2821,
0.2756

■ 13.2609, 0.2234,
0.1756

■ 37.5169, 0.2985,
0.3041

■ 9.7121, 0.2030,
0.1418

■ 46.3680, 0.3129,
0.3294

■ 7.0428, 0.1845,
0.1115

■ 56.4299, 0.3255,
0.3515

■ 5.1759, 0.1691,
0.0871

■ 67.7459, 0.3362,
0.3707

■ 4.0214, 0.1582,
0.0705

■ 80.3570, 0.3455,
0.3872

■ 3.4100, 0.1518,
0.0611

■ 94.3026, 0.3534,
0.4015

■ 3.4022, 0.1517,
0.0610

■ 96.1172, 0.3567,
0.4018

Harmonies

Analogous

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



23.2608, 0.2284, 0.2460



23.2608, 0.2638, 0.2441



23.2608, 0.3153, 0.2608

Triad

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



23.2608, 0.2638, 0.2441



23.2608, 0.4217, 0.3756



23.2608, 0.2542, 0.3679

Complementary

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



23.2608, 0.2638, 0.2441



44.0565, 0.3542, 0.4030

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.



23.2608, 0.3027, 0.4136



23.2608, 0.2638, 0.2441



23.2608, 0.4006, 0.4118

Square

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



23.2608, 0.2638, 0.2441



23.2608, 0.4110, 0.3329



23.2608, 0.3564, 0.4288



23.2608, 0.2230, 0.3125

Rectangle

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



23.2608, 0.2638, 0.2441



23.2608, 0.3529, 0.2805



23.2608, 0.3564, 0.4288



23.2608, 0.2689, 0.3855

Sweetspot

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



23.2617, 0.2638, 0.2441



68.2043, 0.2996, 0.3060



39.8183, 0.2699, 0.3249



14.2824, 0.2973, 0.3021



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.



23.2617, 0.2638, 0.2441



34.7870, 0.2505, 0.2215



25.6546, 0.2904, 0.2502



8.2520, 0.2993, 0.3055



2.3549, 0.1521, 0.0612



0.0815, 0.1610, 0.0661

Inverse Universe

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



28.2199, 0.3193, 0.2597



45.1603, 0.3209, 0.2443



41.1986, 0.3296, 0.4093



8.6384, 0.3146, 0.3078



8.8007, 0.3352, 0.1620



0.2794, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 23.2608, 0.2638, 0.2441 looks on a white background.

Color Contrast Check

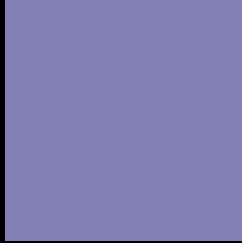
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2608, 0.2638, 0.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

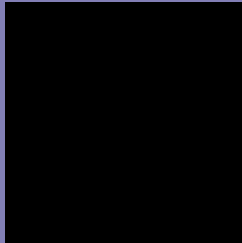
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2608, 0.2638, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 23.2608, 0.2638, 0.2441.



This preview shows how white text looks on a background with the Yxy color 23.2608, 0.2638, 0.2441.

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

23.2608, 0.2638, 0.2441

Protanopia

23.4063, 0.2497, 0.2439

Deuteranopia

23.3794, 0.2544, 0.2497



Tritanopia

23.3055, 0.2898, 0.3097

Trichromacy



Original Color

23.2608, 0.2638, 0.2441

Protanomaly

23.4491, 0.2546, 0.2445

Deuteranomaly

23.3981, 0.2578, 0.2487

Tritanomaly

23.1368, 0.2804, 0.2834

Monochromacy



Original Color

23.2608, 0.2638, 0.2441

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4535, 0.2944, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2608, 0.2638, 0.2441 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(130, 127, 181)` looks like.

```
.text, #text, p{  
    color:rgb(130, 127, 181)  
}
```

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(130, 127, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 127, 181) }
```

Border

The CSS property to change the border of an element to Yxy 23.2608, 0.2638, 0.2441 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(130, 127, 181) }
```

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

```
.border{ border-color:rgb(130, 127, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 127, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 127, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 127, 181);  
box-shadow:4px 4px 4px 4px rgb(130, 127,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2608, 0.2638, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 127, 181) }
```

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

```
.background{ background-color: rgb(130,  
127, 181) }
```

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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