

Converting Colors

$Y_{xy}(23.3218, 0.2703, 0.2425)$

Have a look what the booklet for
Yxy(23.3218, 0.2703, 0.2425)
contains.

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Color

Yxy(23.3218, 0.2703, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	897DB5
RGB	137, 125, 181
RGB Percent	54%, 49%, 71%
CMY	0.4626, 0.5098, 0.2901
CMYK	0.24, 0.31, 0.00, 0.29
HSL	253°, 27%, 60%
HSV	253°, 31%, 71%
XYZ	25.9954, 23.3218, 46.8552
YIQ	134.9720, -10.8240, 19.9600

Conversions

Conversions Part 2

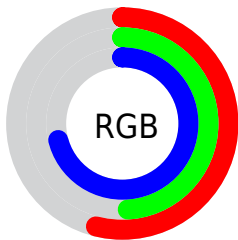
Format	Color
R_{YB}	137, 125, 181
Decimal	9010613
CIE _{Lab}	55.40, 16.79, -27.89
CIE _{LCh}	55, 32.550, 301.046
Yxy	23.3218, 0.2703, 0.2425
Android (android.graphics.Color)	4287200693 (0xFF897DB5)
YUV	134.9720, 22.6918, 1.7786
Hunter-Lab	48.2926, 11.5724, -23.7203

Details

The Yxy color $23.3218, 0.2703, 0.2425$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $42.9664, 0.3474, 0.4080$, and the grayscale version is $24.1368, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.0316, 0.2795, 0.2601$, and $8.7058, 0.2543, 0.2145$ is the 20% darker color. If you saturate the color by 10%, you get $18.0268, 0.2532, 0.2101$, and if you desaturate by 10%, it is $29.6120, 0.2858, 0.2732$.

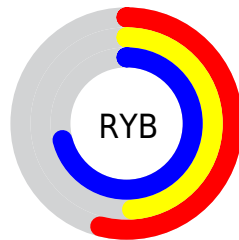
Distribution



Red (54%)

Green (49%)

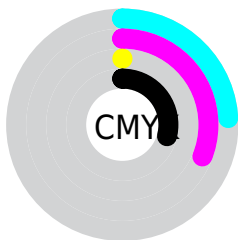
Blue (71%)



Red (54%)

Yellow (49%)

Blue (71%)

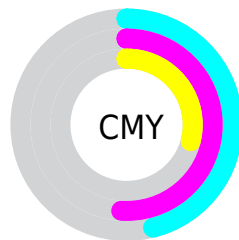


Cyan (24%)

Magenta (31%)

Yellow (0%)

Black (29%)



Cyan (46%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3218, 0.2703, 0.2425 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 23.3218, 0.2703, 0.2425 by changing the saturation by 10% instead.

■ 23.3218, 0.2703,
0.2425

■ 23.3218, 0.2703,
0.2425

■ 269.3735, 0.2941,
0.2881

■ 14.8313, 0.2634,
0.2305

■ 48.9212, 0.2796,
0.2596

■ 8.7011, 0.2541,
0.2147

■ 66.7989, 0.2829,
0.2658

■ 4.5467, 0.2406,
0.1933

■ 88.5744, 0.2856,
0.2711

■ 1.9839, 0.2200,
0.1630

■ 114.6322, 0.2879,
0.2755

■ 0.5981, 0.1865,
0.1132

■ 145.3566, 0.2898,
0.2793

■ 0.0000, 0.0000,
0.0000

181.1320, 0.2915,

0.2826

222.3429, 0.2929,
0.2855

■ 23.3218, 0.2703,
0.2425

■ 23.3218, 0.2703,
0.2425

■ 18.0268, 0.2532,
0.2101

■ 29.6120, 0.2858,
0.2732

■ 13.6728, 0.2351,
0.1770

■ 36.9424, 0.2996,
0.3013

■ 10.2043, 0.2166,
0.1451

■ 45.3586, 0.3117,
0.3267

■ 7.5590, 0.1988,
0.1163

■ 54.9026, 0.3220,
0.3493

■ 5.6661, 0.1830,
0.0928

■ 65.6143, 0.3309,
0.3692

■ 4.4427, 0.1700,
0.0760

■ 77.5315, 0.3385,
0.3867

■ 3.7663, 0.1612,
0.0662

■ 90.6902, 0.3449,
0.4019

■ 95.3141, 0.3538,
0.4025

■ 96.1168, 0.3567,
0.4018

Harmonies

Analogous

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



23.3218, 0.2300, 0.2406



23.3218, 0.2703, 0.2425



23.3218, 0.3260, 0.2630

Triad

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



23.3218, 0.2703, 0.2425



23.3218, 0.4249, 0.3848



23.3218, 0.2441, 0.3591

Complementary

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



23.3218, 0.2703, 0.2425



42.9664, 0.3474, 0.4080

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.



23.3218, 0.2920, 0.4111



23.3218, 0.2703, 0.2425



23.3218, 0.3973, 0.4204

Square

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



23.3218, 0.2703, 0.2425



23.3218, 0.4202, 0.3408



23.3218, 0.3482, 0.4334



23.3218, 0.2158, 0.3019

Rectangle

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



23.3218, 0.2703, 0.2425



23.3218, 0.3649, 0.2849



23.3218, 0.3482, 0.4334



23.3218, 0.2583, 0.3784

Sweetspot

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



23.3227, 0.2703, 0.2425



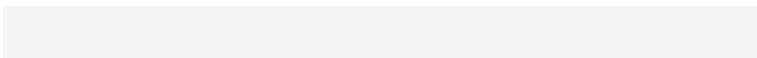
68.7175, 0.3019, 0.3061



36.3744, 0.2670, 0.3119



14.4085, 0.3001, 0.3023



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.



23.3227, 0.2703, 0.2425



35.2477, 0.2591, 0.2210



25.9163, 0.2982, 0.2491



8.3153, 0.3017, 0.3057



2.6213, 0.1622, 0.0667



0.1077, 0.1900, 0.0820

Inverse Universe

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



27.3540, 0.3291, 0.2683



43.6656, 0.3336, 0.2552



40.2672, 0.3227, 0.4145



8.6148, 0.3169, 0.3113



8.1312, 0.3830, 0.1884



0.2637, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 23.3218, 0.2703, 0.2425 looks on a white background.

Color Contrast Check

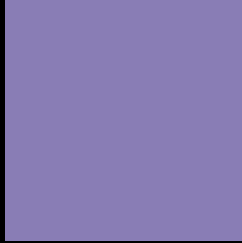
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3218, 0.2703, 0.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

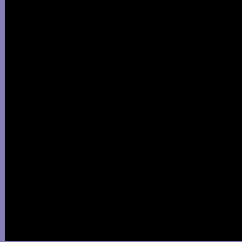
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3218, 0.2703, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 23.3218, 0.2703, 0.2425.



This preview shows how white text looks on a background with the Yxy color 23.3218, 0.2703, 0.2425.

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

23.3218, 0.2703, 0.2425

Protanopia

23.4908, 0.2483, 0.2412

Deuteranopia

23.4498, 0.2553, 0.2499



Tritanopia

23.2315, 0.2991, 0.3100

Trichromacy



Original Color

23.3218, 0.2703, 0.2425

Protanomaly

23.4463, 0.2563, 0.2421

Deuteranomaly

23.4314, 0.2612, 0.2479

Tritanomaly

23.1214, 0.2885, 0.2825

Monochromacy



Original Color

23.3218, 0.2703, 0.2425

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7338, 0.2966, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3218, 0.2703, 0.2425 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(137, 125, 181)` looks like.

```
.text, #text, p{  
    color:rgb(137, 125, 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(137, 125, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 125, 181) }
```

Border

The CSS property to change the border of an element to Yxy 23.3218, 0.2703, 0.2425 is called "border". The border property can be set on classes, ids or directly on the HTML element.

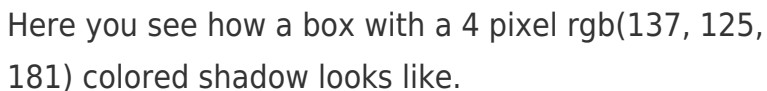
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 125, 181) }
```

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

```
.border{ border-color:rgb(137, 125, 181) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 125, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 125, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 125, 181); box-shadow:4px 4px 4px 4px rgb(137, 125, 181) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3218, 0.2703, 0.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 125, 181) }
```

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

```
.background{ background-color: rgb(137,  
125, 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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