

Converting Colors

$Y_{xy}(23.0854, 0.2624, 0.2433)$

Have a look what the booklet for
Yxy(23.0854, 0.2624, 0.2433)
contains.

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Color

Yxy(23.1821, 0.2629, 0.2439)

Conversions

Conversions Part 1

Format	Color
Hex	817FB5
RGB	129, 127, 181
RGB Percent	51%, 50%, 71%
CMY	0.4940, 0.5020, 0.2902
CMYK	0.29, 0.30, 0.00, 0.29
HSL	242°, 27%, 60%
HSV	242°, 30%, 71%
XYZ	24.9880, 23.1821, 46.8775
YIQ	133.7540, -16.1420, 17.2180

Conversions

Conversions Part 2

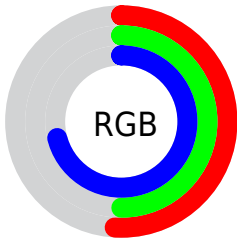
Format	Color
R_{YB}	129, 127, 181
Decimal	8486837
CIE _{Lab}	55.26, 13.16, -28.16
CIE _{LCh}	55, 31.079, 295.042
Yxy	23.1821, 0.2629, 0.2439
Android (android.graphics.Color)	4286676917 (0xFF817FB5)
YUV	133.7540, 23.2923, -4.1693
Hunter-Lab	48.1478, 8.3803, -24.0222

Details

The Yxy color **23.1821, 0.2629, 0.2439** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **44.1616, 0.3551, 0.4028**, and the grayscale version is **23.6651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8242, 0.2737, 0.2614**, and **8.6270, 0.2443, 0.2159** is the 20% darker color. If you saturate the color by 10%, you get **17.6705, 0.2428, 0.2100**, and if you desaturate by 10%, it is **29.7678, 0.2815, 0.2755**.

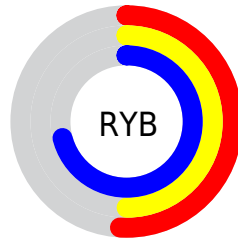
Distribution



Red (51%)

Green (50%)

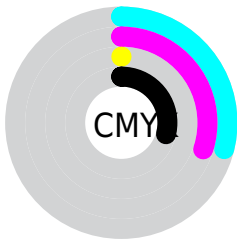
Blue (71%)



Red (51%)

Yellow (50%)

Blue (71%)

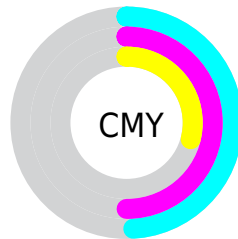


Cyan (29%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (49%)

Magenta (50%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1821, 0.2629, 0.2439 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 23.1821, 0.2629, 0.2439 by changing the saturation by 10% instead.

■ 23.1821, 0.2629,
0.2439

■ 23.1821, 0.2629,
0.2439

■ 268.6589, 0.2906,
0.2890

■ 14.7280, 0.2550,
0.2319

■ 48.6922, 0.2737,
0.2609

■ 8.6287, 0.2443,
0.2161

■ 66.5169, 0.2775,
0.2671

■ 4.4998, 0.2291,
0.1946

■ 88.2341, 0.2807,
0.2723

■ 1.9569, 0.2061,
0.1640

■ 114.2280, 0.2833,
0.2766

■ 0.5822, 0.1695,
0.1128

■ 144.8830, 0.2855,
0.2804

■ 0.0000, 0.0000,
0.0000

180.5836, 0.2875,

0.2837

221.7141, 0.2891,
0.2865

■ 23.1821, 0.2629,
0.2439

■ 23.1821, 0.2629,
0.2439

■ 17.6705, 0.2428,
0.2100

■ 29.7678, 0.2815,
0.2755

■ 13.1735, 0.2219,
0.1750

■ 37.4775, 0.2982,
0.3041

■ 9.6301, 0.2015,
0.1411

■ 46.3612, 0.3129,
0.3294

■ 6.9714, 0.1829,
0.1108

■ 56.4651, 0.3257,
0.3515

■ 5.1195, 0.1678,
0.0864

■ 67.8329, 0.3367,
0.3706

■ 3.9828, 0.1572,
0.0699

■ 80.5062, 0.3462,
0.3871

■ 3.3888, 0.1513,
0.0608

■ 94.5246, 0.3543,
0.4013

■ 3.3809, 0.1512,
0.0607

■ 96.1165, 0.3567,
0.4018

Harmonies

Analogous

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



23.1821, 0.2279, 0.2461



23.1821, 0.2629, 0.2439



23.1821, 0.3142, 0.2603

Triad

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



23.1821, 0.2629, 0.2439



23.1821, 0.4219, 0.3748



23.1821, 0.2550, 0.3690

Complementary

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



23.1821, 0.2629, 0.2439



44.1616, 0.3551, 0.4028

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.



23.1821, 0.3037, 0.4143



23.1821, 0.2629, 0.2439



23.1821, 0.4013, 0.4113

Square

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



23.1821, 0.2629, 0.2439



23.1821, 0.4106, 0.3320



23.1821, 0.3574, 0.4288



23.1821, 0.2233, 0.3135

Rectangle

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



23.1821, 0.2629, 0.2439



23.1821, 0.3518, 0.2798



23.1821, 0.3574, 0.4288



23.1821, 0.2698, 0.3865

Sweetspot

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



23.1830, 0.2629, 0.2439



68.1478, 0.2993, 0.3059



40.1711, 0.2700, 0.3262



14.2686, 0.2970, 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.



23.1830, 0.2629, 0.2439



34.6401, 0.2494, 0.2212



25.5607, 0.2895, 0.2500



8.2450, 0.2990, 0.3055



2.3374, 0.1515, 0.0608



0.0786, 0.1576, 0.0642

Inverse Universe

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



28.2539, 0.3183, 0.2586



45.2447, 0.3196, 0.2429



41.2775, 0.3304, 0.4091



8.6410, 0.3143, 0.3074



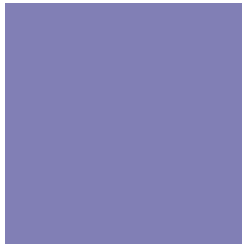
8.8850, 0.3305, 0.1594



0.2813, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 23.1821, 0.2629, 0.2439 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 23.1821, 0.2629, 0.2439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

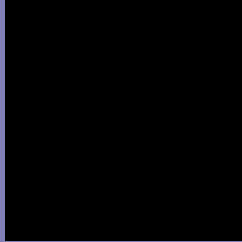
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1821, 0.2629, 0.2439

Background



This preview shows how black text looks on a background with the Yxy color 23.1821, 0.2629, 0.2439.



This preview shows how white text looks on a background with the Yxy color 23.1821, 0.2629, 0.2439.

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

23.1821, 0.2629, 0.2439

Protanopia

23.1390, 0.2495, 0.2422

Deuteranopia

23.1121, 0.2542, 0.2480



Tritanopia

23.2321, 0.2887, 0.3097

Trichromacy



Original Color

23.1821, 0.2629, 0.2439

Protanomaly

23.1844, 0.2544, 0.2429

Deuteranomaly

23.1334, 0.2576, 0.2471

Tritanomaly

23.0612, 0.2794, 0.2833

Monochromacy



Original Color

23.1821, 0.2629, 0.2439

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.3725, 0.2933, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1821, 0.2629, 0.2439 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(129, 127, 181)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 127, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 127, 181) }
```

Border

The CSS property to change the border of an element to Yxy 23.1821, 0.2629, 0.2439 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(129, 127, 181) }
```

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

```
.border{ border-color:rgb(129, 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(129, 127, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 127, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 127, 181);  
box-shadow:4px 4px 4px 4px rgb(129, 127,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1821, 0.2629, 0.2439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 127, 181) }
```

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

```
.background{ background-color: rgb(129,  
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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