

Converting Colors

$Y_{xy}(23.2911, 0.2649, 0.2492)$

Have a look what the booklet for
Yxy(23.2911, 0.2649, 0.2492)
contains.

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Color

Yxy(23.3198, 0.2655, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	8180B2
RGB	129, 128, 178
RGB Percent	51%, 50%, 70%
CMY	0.4942, 0.4980, 0.3020
CMYK	0.28, 0.28, 0.00, 0.30
HSL	241°, 24%, 60%
HSV	241°, 28%, 70%
XYZ	24.8053, 23.3198, 45.3036
YIQ	133.9990, -15.4540, 15.7620

Conversions

Conversions Part 2

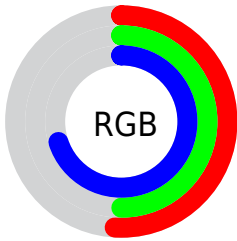
Format	Color
RYB	129, 128, 178
Decimal	8487090
CIELab	55.40, 11.77, -26.21
CIElCh	55, 28.726, 294.179
Yxy	23.3198, 0.2655, 0.2496
Android (android.graphics.Color)	4286677170 (0xFF8180B2)
YUV	133.9990, 21.6925, -4.3841
Hunter-Lab	48.2906, 7.1812, -21.8192

Details

The Yxy color **23.3198, 0.2655, 0.2496** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.7400, 0.3534, 0.3981**, and the grayscale version is **23.7627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0555, 0.2758, 0.2658**, and **8.6923, 0.2478, 0.2234** is the 20% darker color. If you saturate the color by 10%, you get **17.8258, 0.2453, 0.2159**, and if you desaturate by 10%, it is **29.8634, 0.2841, 0.2808**.

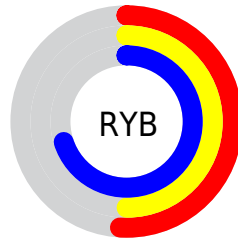
Distribution



Red (51%)

Green (50%)

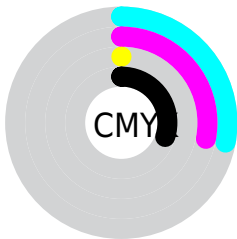
Blue (70%)



Red (51%)

Yellow (50%)

Blue (70%)

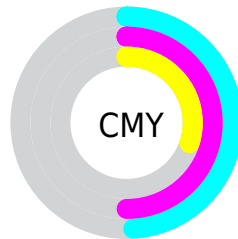


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (30%)



Cyan (49%)


Magenta (50%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3198, 0.2655, 0.2496 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 23.3198, 0.2655, 0.2496 by changing the saturation by 10% instead.


 23.3198, 0.2655,
0.2496


 23.3198, 0.2655,
0.2496


269.3633, 0.2918,
0.2919


 14.8298, 0.2580,
0.2383


 48.9179, 0.2757,
0.2656

 8.7000, 0.2479,
0.2233


 66.7948, 0.2793,
0.2714

 4.5461, 0.2333,
0.2027

 88.5695, 0.2823,
0.2762

 1.9835, 0.2112,
0.1730

114.6264, 0.2848,
0.2803

 0.5978, 0.1756,
0.1227

145.3498, 0.2870,
0.2838

 0.0000, 0.0000,
0.0000

181.1241, 0.2888,

0.2869

222.3339, 0.2904,
0.2896

■ 23.3198, 0.2655,
0.2496

■ 23.3198, 0.2655,
0.2496

■ 17.8258, 0.2453,
0.2159

■ 29.8634, 0.2841,
0.2808

■ 13.3241, 0.2243,
0.1809

■ 37.5043, 0.3007,
0.3088

■ 9.7566, 0.2036,
0.1465

■ 46.2906, 0.3154,
0.3335

■ 7.0575, 0.1846,
0.1152

■ 56.2666, 0.3281,
0.3550

■ 5.1527, 0.1689,
0.0897

■ 67.4746, 0.3390,
0.3736

■ 3.9559, 0.1578,
0.0718

■ 79.9544, 0.3484,
0.3896

■ 3.3321, 0.1516,
0.0619

■ 93.7443, 0.3565,
0.4033

■ 3.2362, 0.1506,
0.0604

■ 95.9936, 0.3585,
0.4047

Harmonies

Analogous

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



23.3198, 0.2332, 0.2525



23.3198, 0.2655, 0.2496



23.3198, 0.3128, 0.2644

Triad

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



23.3198, 0.2655, 0.2496



23.3198, 0.4137, 0.3710



23.3198, 0.2606, 0.3673

Complementary

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



23.3198, 0.2655, 0.2496



42.7400, 0.3534, 0.3981

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.



23.3198, 0.3062, 0.4079



23.3198, 0.2655, 0.2496



23.3198, 0.3957, 0.4047

Square

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



23.3198, 0.2655, 0.2496



23.3198, 0.4022, 0.3311



23.3198, 0.3558, 0.4208



23.3198, 0.2303, 0.3165

Rectangle

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



23.3198, 0.2655, 0.2496



23.3198, 0.3475, 0.2825



23.3198, 0.3558, 0.4208



23.3198, 0.2745, 0.3830

Sweetspot

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



23.3207, 0.2655, 0.2496



67.9360, 0.3006, 0.3086



39.3069, 0.2725, 0.3276



14.5630, 0.2983, 0.3046



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.



23.3207, 0.2655, 0.2496



35.6005, 0.2525, 0.2279



25.5077, 0.2903, 0.2549



8.2378, 0.2988, 0.3055



2.3193, 0.1508, 0.0604



0.0756, 0.1540, 0.0622

Inverse Universe

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



28.0781, 0.3169, 0.2616



45.7383, 0.3180, 0.2462



40.0837, 0.3302, 0.4036



8.6438, 0.3141, 0.3070



8.9744, 0.3258, 0.1568



0.2833, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 23.3198, 0.2655, 0.2496 looks on a white background.

Color Contrast Check

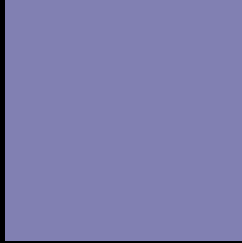
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3198, 0.2655, 0.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

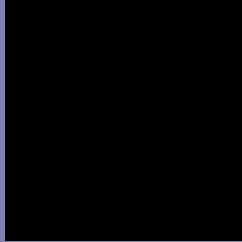
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3198, 0.2655, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 23.3198, 0.2655, 0.2496.



This preview shows how white text looks on a background with the Yxy color 23.3198, 0.2655, 0.2496.

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

23.3198, 0.2655, 0.2496

Protanopia

23.3794, 0.2544, 0.2497

Deuteranopia

23.4719, 0.2594, 0.2544



Tritanopia

23.2321, 0.2887, 0.3097

Trichromacy



Original Color

23.3198, 0.2655, 0.2496

Protanomaly

23.3575, 0.2586, 0.2501

Deuteranomaly

23.4247, 0.2620, 0.2533

Tritanomaly

23.2968, 0.2804, 0.2866

Monochromacy



Original Color

23.3198, 0.2655, 0.2496

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6101, 0.2943, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3198, 0.2655, 0.2496 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, 128, 178)` looks like.

```
.text, #text, p{  
    color:rgb(129, 128, 178)  
}
```

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, 128, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 128, 178) }
```

Border

The CSS property to change the border of an element to Yxy 23.3198, 0.2655, 0.2496 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, 128, 178) }
```

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

```
.border{ border-color:rgb(129, 128, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 128, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 128, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 128, 178);  
box-shadow:4px 4px 4px 4px rgb(129, 128,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3198, 0.2655, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 128, 178) }
```

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

```
.background{ background-color: rgb(129,  
128, 178) }
```

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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