

Converting Colors

$Y_{xy}(23.8837, 0.2734, 0.2182)$

Have a look what the booklet for
Yxy(23.8837, 0.2734, 0.2182)
contains.

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Color

Yxy(23.8581, 0.2727, 0.2177)

Conversions

Conversions Part 1

Format	Color
Hex	9A76C5
RGB	154, 118, 197
RGB Percent	60%, 46%, 77%
CMY	0.3960, 0.5373, 0.2275
CMYK	0.22, 0.40, 0.00, 0.23
HSL	267°, 41%, 62%
HSV	267°, 40%, 77%
XYZ	29.8856, 23.8581, 55.8479
YIQ	137.7700, -3.9030, 32.2010

Conversions

Conversions Part 2

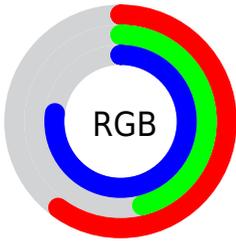
Format	Color
RYB	154, 118, 197
Decimal	10122949
CIELab	55.95, 29.89, -36.05
CIELCh	56, 46.831, 309.661
Yxy	23.8581, 0.2727, 0.2177
Android (android.graphics.Color)	4288313029 (0xFF9A76C5)
YUV	137.7700, 29.2004, 14.2337
Hunter-Lab	48.8448, 23.7368, -33.5994

Details

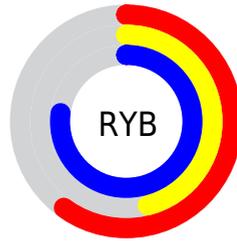
The Yxy color **23.8581, 0.2727, 0.2177** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.8094, 0.3408, 0.4386**, and the grayscale version is **25.2126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9832, 0.2820, 0.2388**, and **9.0061, 0.2566, 0.1856** is the 20% darker color. If you saturate the color by 10%, you get **18.6892, 0.2596, 0.1876**, and if you desaturate by 10%, it is **30.0915, 0.2847, 0.2477**.

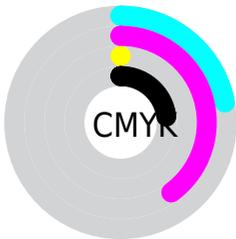
Distribution



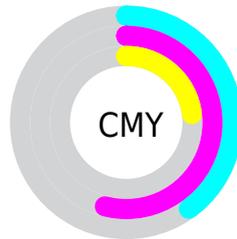
- Red (60%)
- Green (46%)
- Blue (77%)



- Red (60%)
- Yellow (46%)
- Blue (77%)



- Cyan (22%)
- Magenta (40%)
- Yellow (0%)
- Black (23%)



- Cyan (40%)
- Magenta (54%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8581, 0.2727, 0.2177 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 23.8581, 0.2727, 0.2177 by changing the saturation by 10% instead.

 23.8581, 0.2727,
0.2177

 23.8581, 0.2727,
0.2177

272.1023, 0.2957,
0.2743

 15.2284, 0.2660,
0.2036

 49.7985, 0.2818,
0.2383

 8.9798, 0.2569,
0.1856

 67.8781, 0.2850,
0.2461

 4.7280, 0.2439,
0.1621

 89.8763, 0.2876,
0.2526

 2.0886, 0.2241,
0.1308

116.1777, 0.2897,
0.2582

 0.6582, 0.1926,
0.0864

147.1666, 0.2916,
0.2631

 0.0000, 0.1091,
0.0000

183.2274, 0.2931,

 0.0000, 0.0000,

0.2673

0.0000

224.7445, 0.2945,
0.2710

■ 23.8581, 0.2727,
0.2177

■ 23.8581, 0.2727,
0.2177

■ 18.6892, 0.2596,
0.1876

■ 30.0915, 0.2847,
0.2477

■ 14.5187, 0.2456,
0.1588

■ 37.4445, 0.2954,
0.2766

■ 11.2774, 0.2314,
0.1329

■ 45.9716, 0.3047,
0.3038

■ 8.8856, 0.2176,
0.1112

■ 55.7229, 0.3126,
0.3288

■ 7.2492, 0.2049,
0.0950

■ 66.7455, 0.3194,
0.3515

6.1972, 0.1936,
0.0840

79.0841, 0.3251,
0.3719

92.2128, 0.3300,
0.3893

94.0302, 0.3370,
0.3880

95.9583, 0.3441,
0.3866

Harmonies

Analogous

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



23.8581, 0.2118, 0.2067



23.8581, 0.2727, 0.2177



23.8581, 0.3544, 0.2506

Triad

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



23.8581, 0.2727, 0.2177



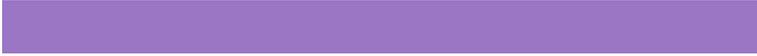
23.8581, 0.4614, 0.4164



23.8581, 0.2024, 0.3454

Complementary

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



23.8581, 0.2727, 0.2177



48.8094, 0.3408, 0.4386

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.



23.8581, 0.2597, 0.4319



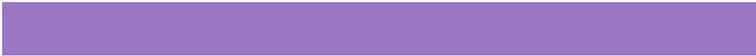
23.8581, 0.2727, 0.2177



23.8581, 0.4094, 0.4652

Square

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



23.8581, 0.2727, 0.2177



23.8581, 0.4725, 0.3574



23.8581, 0.3355, 0.4785



23.8581, 0.1756, 0.2676

Rectangle

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



23.8581, 0.2727, 0.2177



23.8581, 0.4088, 0.2820



23.8581, 0.3355, 0.4785



23.8581, 0.2184, 0.3755

Sweetspot

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



23.8591, 0.2727, 0.2177



78.9857, 0.3028, 0.2983



33.5268, 0.2498, 0.2757



16.4589, 0.3016, 0.2947



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



23.8591, 0.2727, 0.2177



34.6318, 0.2614, 0.1917



28.3293, 0.3131, 0.2301



10.5204, 0.3053, 0.3056



4.1249, 0.1950, 0.0848



0.2382, 0.2188, 0.0979

Inverse Universe

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



27.3965, 0.3578, 0.2728



42.0571, 0.3719, 0.2611



45.3701, 0.3098, 0.4498



10.7318, 0.3206, 0.3165



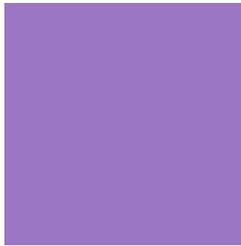
8.5249, 0.4756, 0.2394



0.4181, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 23.8581, 0.2727, 0.2177 looks on a white background.

Color Contrast Check

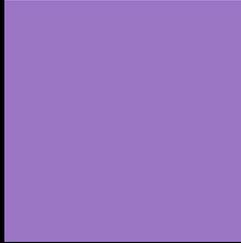
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8581, 0.2727, 0.2177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

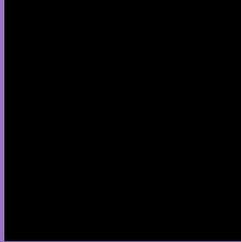
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8581, 0.2727, 0.2177

Background



This preview shows how black text looks on a background with the Yxy color 23.8581, 0.2727, 0.2177.



This preview shows how white text looks on a background with the Yxy color 23.8581, 0.2727, 0.2177.

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

23.8581, 0.2727, 0.2177

Protanopia

24.1701, 0.2265, 0.2129

Deuteranopia

23.9851, 0.2386, 0.2331



Tritanopia

23.7880, 0.3181, 0.3125

Trichromacy



Original Color

23.8581, 0.2727, 0.2177

Protanomaly

23.7975, 0.2401, 0.2134

Deuteranomaly

23.8141, 0.2497, 0.2272

Tritanomaly

23.7908, 0.3007, 0.2740

Monochromacy



Original Color

23.8581, 0.2727, 0.2177

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.6651, 0.2983, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8581, 0.2727, 0.2177 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(154, 118, 197)` looks like.

```
.text, #text, p{  
    color:rgb(154, 118, 197)  
}
```

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(154, 118, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 118, 197) }
```

Border

The CSS property to change the border of an element to Yxy 23.8581, 0.2727, 0.2177 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(154, 118, 197) }
```

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

```
.border{ border-color:rgb(154, 118, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 118, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 118, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 118, 197);  
box-shadow:4px 4px 4px 4px rgb(154, 118,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8581, 0.2727, 0.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 118, 197) }
```

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

```
.background{ background-color: rgb(154,  
118, 197) }
```

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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