

Converting Colors

$Y_{xy}(23.5049, 0.2634, 0.2152)$

Have a look what the booklet for
Yxy(23.5049, 0.2634, 0.2152)
contains.

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Color

Yxy(23.4282, 0.2633, 0.2145)

Conversions

Conversions Part 1

Format	Color
Hex	9277C7
RGB	146, 119, 199
RGB Percent	57%, 47%, 78%
CMY	0.4275, 0.5333, 0.2196
CMYK	0.27, 0.40, 0.00, 0.22
HSL	260°, 42%, 62%
HSV	260°, 40%, 78%
XYZ	28.7583, 23.4282, 57.0359
YIQ	136.1930, -9.5880, 30.6040

Conversions

Conversions Part 2

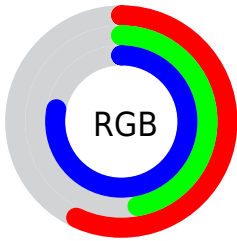
Format	Color
R_{YB}	146, 119, 199
Decimal	9598919
CIE _{Lab}	55.51, 27.43, -37.93
CIE _{LCh}	56, 46.810, 305.878
Yxy	23.4282, 0.2633, 0.2145
Android (android.graphics.Color)	4287788999 (0xFF9277C7)
YUV	136.1930, 30.9639, 8.6007
Hunter-Lab	48.4027, 21.3503, -35.9833

Details

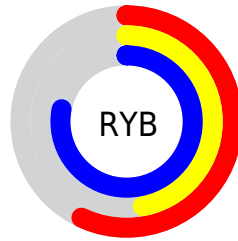
The Yxy color **23.4282, 0.2633, 0.2145** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **50.9482, 0.3489, 0.4360**, and the grayscale version is **24.5816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1426, 0.2747, 0.2373**, and **8.7518, 0.2440, 0.1807** is the 20% darker color. If you saturate the color by 10%, you get **18.0384, 0.2475, 0.1828**, and if you desaturate by 10%, it is **29.9508, 0.2779, 0.2458**.

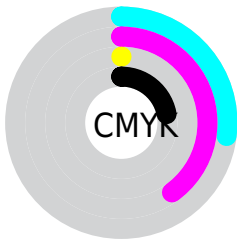
Distribution



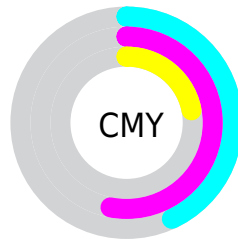
- Red (57%)
- Green (47%)
- Blue (78%)



- Red (57%)
- Yellow (47%)
- Blue (78%)



- Cyan (27%)
- Magenta (40%)
- Yellow (0%)
- Black (22%)





- Cyan (43%)
- Magenta (53%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4282, 0.2633, 0.2145 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 23.4282, 0.2633, 0.2145 by changing the saturation by 10% instead.


 23.4282, 0.2633,
0.2145


 23.4282, 0.2633,
0.2145

269.9168, 0.2913,
0.2729


 14.9100, 0.2553,
0.1999


 49.0955, 0.2742,
0.2358

 8.7562, 0.2446,
0.1814


 67.0134, 0.2781,
0.2438

 4.5825, 0.2294,
0.1573


 88.8332, 0.2813,
0.2505

 2.0045, 0.2068,
0.1253

114.9395, 0.2839,
0.2563

 0.6101, 0.1719,
0.0795

145.7167, 0.2862,
0.2613

 0.0000, 0.0699,
0.0000

181.5490, 0.2881,

 0.0000, 0.0000,

0.2657

0.0000

222.8209, 0.2898,
0.2695

■ 23.4282, 0.2633,
0.2145

■ 23.4282, 0.2633,
0.2145

■ 18.0384, 0.2475,
0.1828

■ 29.9508, 0.2779,
0.2458

■ 13.7116, 0.2310,
0.1522

■ 37.6649, 0.2910,
0.2757

■ 10.3742, 0.2146,
0.1245


■ 46.6285, 0.3026,
0.3033


■ 7.9418, 0.1991,
0.1015


■ 56.8946, 0.3125,
0.3285

■ 6.3149, 0.1856,
0.0845


■ 68.5136, 0.3211,
0.3512

 5.3216, 0.1746,
0.0736

 81.5326, 0.3283,
0.3713

 93.8711, 0.3349,
0.3861

 96.2414, 0.3436,
0.3844

 96.9033, 0.3460,
0.3840

Harmonies

Analogous

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



23.4282, 0.2056, 0.2065



23.4282, 0.2633, 0.2145



23.4282, 0.3438, 0.2450

Triad

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



23.4282, 0.2633, 0.2145



23.4282, 0.4662, 0.4094



23.4282, 0.2075, 0.3568

Complementary

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



23.4282, 0.2633, 0.2145



50.9482, 0.3489, 0.4360

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.



23.4282, 0.2683, 0.4417



23.4282, 0.2633, 0.2145



23.4282, 0.4180, 0.4610

Square

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



23.4282, 0.2633, 0.2145



23.4282, 0.4711, 0.3499



23.4282, 0.3455, 0.4808



23.4282, 0.1766, 0.2755

Rectangle

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



23.4282, 0.2633, 0.2145



23.4282, 0.3996, 0.2754



23.4282, 0.3455, 0.4808



23.4282, 0.2248, 0.3872

Sweetspot

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



23.4291, 0.2633, 0.2145



78.3619, 0.3004, 0.2980



37.6775, 0.2518, 0.2899



16.3125, 0.2989, 0.2945



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.



23.4291, 0.2633, 0.2145



32.8727, 0.2499, 0.1875



27.7156, 0.3034, 0.2268



10.4585, 0.3034, 0.3055



3.4656, 0.1759, 0.0743



0.2040, 0.2000, 0.0876

Inverse Universe

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



28.3155, 0.3467, 0.2611



42.7655, 0.3568, 0.2474



47.1096, 0.3167, 0.4477



10.7534, 0.3188, 0.3138



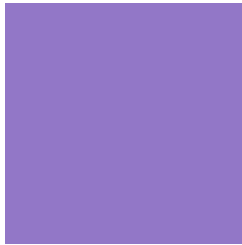
8.8933, 0.4277, 0.2130



0.4342, 0.4001, 0.1978

Previews

White Background



This preview shows how the Yxy color 23.4282, 0.2633, 0.2145 looks on a white background.

Color Contrast Check

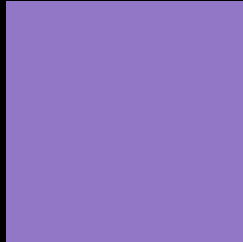
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4282, 0.2633, 0.2145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

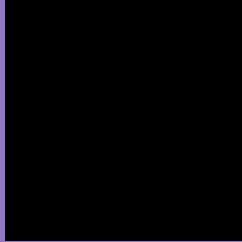
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4282, 0.2633, 0.2145

Background



This preview shows how black text looks on a background with the Yxy color 23.4282, 0.2633, 0.2145.



This preview shows how white text looks on a background with the Yxy color 23.4282, 0.2633, 0.2145.

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

23.4282, 0.2633, 0.2145

Protanopia

23.5118, 0.2245, 0.2095

Deuteranopia

23.5522, 0.2341, 0.2282



Tritanopia

23.3365, 0.3057, 0.3103

Trichromacy



Original Color

23.4282, 0.2633, 0.2145

Protanomaly

23.2514, 0.2367, 0.2110

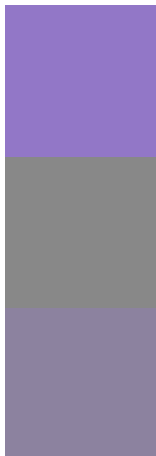
Deuteranomaly

23.2749, 0.2438, 0.2221

Tritanomaly

23.3121, 0.2889, 0.2711

Monochromacy



Original Color

23.4282, 0.2633, 0.2145

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.0439, 0.2940, 0.2821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4282, 0.2633, 0.2145 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(146, 119, 199)` looks like.

```
.text, #text, p{  
    color:rgb(146, 119, 199)  
}
```

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(146, 119, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 119, 199) }
```

Border

The CSS property to change the border of an element to Yxy 23.4282, 0.2633, 0.2145 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(146, 119, 199) }
```

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

```
.border{ border-color:rgb(146, 119, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 119, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 119, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 119, 199);  
box-shadow:4px 4px 4px 4px rgb(146, 119,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4282, 0.2633, 0.2145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 119, 199) }
```

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

```
.background{ background-color: rgb(146,  
119, 199) }
```

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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