

Converting Colors

$Y_{xy}(23.7990, 0.2631, 0.1988)$

Have a look what the booklet for
Yxy(23.7990, 0.2631, 0.1988)
contains.

Yxy(23.8057, 0.2627, 0.1986)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.8057, 0.2627, 0.1986)

Conversions

Conversions Part 1

Format	Color
Hex	9C72D3
RGB	156, 114, 211
RGB Percent	61%, 45%, 83%
CMY	0.3882, 0.5530, 0.1725
CMYK	0.26, 0.46, 0.00, 0.17
HSL	266°, 52%, 64%
HSV	266°, 46%, 83%
XYZ	31.4892, 23.8057, 64.5727
YIQ	137.6160, -6.1050, 39.0710

Conversions

Conversions Part 2

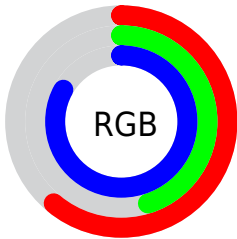
Format	Color
RYB	156, 114, 211
Decimal	10253011
CIELab	55.89, 36.09, -44.08
CIELCh	56, 56.971, 309.311
Yxy	23.8057, 0.2627, 0.1986
Android (android.graphics.Color)	4288443091 (0xFF9C72D3)
YUV	137.6160, 36.1783, 16.1228
Hunter-Lab	48.7911, 29.8175, -44.3137

Details

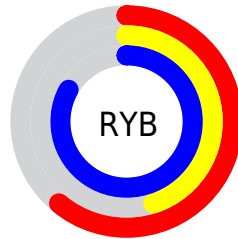
The Yxy color **23.8057, 0.2627, 0.1986** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **56.2444, 0.3458, 0.4556**, and the grayscale version is **25.1244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8545, 0.2827, 0.2340**, and **9.0057, 0.2437, 0.1642** is the 20% darker color. If you saturate the color by 10%, you get **18.4480, 0.2484, 0.1686**, and if you desaturate by 10%, it is **30.3807, 0.2760, 0.2292**.

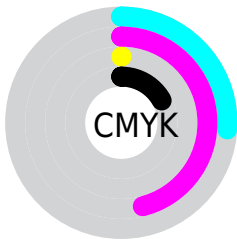
Distribution



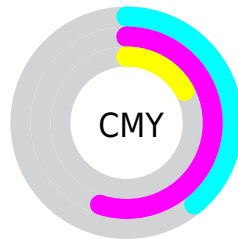
- Red (61%)
- Green (45%)
- Blue (83%)



- Red (61%)
- Yellow (45%)
- Blue (83%)



- Cyan (26%)
- Magenta (46%)
- Yellow (0%)
- Black (17%)




- Cyan (39%)
- Magenta (55%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8057, 0.2627, 0.1986 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 23.8057, 0.2627, 0.1986 by changing the saturation by 10% instead.


 23.8057, 0.2627,
0.1986


 23.8057, 0.2627,
0.1986


271.8367, 0.2913,
0.2634

 15.1896, 0.2546,
0.1830


 49.7129, 0.2739,
0.2218

 8.9525, 0.2437,
0.1637


 67.7728, 0.2778,
0.2306

 4.7102, 0.2284,
0.1391


 89.7494, 0.2811,
0.2382

 2.0783, 0.2061,
0.1078

 116.0271, 0.2838,
0.2446

 0.6524, 0.1723,
0.0666

146.9903, 0.2861,
0.2503

 0.0000, 0.1091,
0.0000

183.0233, 0.2881,

 0.0000, 0.0000,

0.2552

0.0000

224.5107, 0.2898,
0.2595

■ 23.8057, 0.2627,
0.1986

■ 23.8057, 0.2627,
0.1986

■ 18.4480, 0.2484,
0.1686

■ 30.3807, 0.2760,
0.2292

■ 14.2248, 0.2337,
0.1409

■ 38.2427, 0.2880,
0.2593

■ 11.0471, 0.2192,
0.1170

■ 47.4594, 0.2987,
0.2878

■ 8.8107, 0.2056,
0.0983

■ 58.0926, 0.3079,
0.3143

■ 7.3864, 0.1936,
0.0856

■ 70.2005, 0.3157,
0.3384

6.9486, 0.1891,
0.0816

83.8378, 0.3224,
0.3602

94.7049, 0.3287,
0.3734

96.8649, 0.3366,
0.3724

97.4839, 0.3388,
0.3720

Harmonies

Analogous

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



23.8057, 0.1928, 0.1858



23.8057, 0.2627, 0.1986



23.8057, 0.3609, 0.2358

Triad

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



23.8057, 0.2627, 0.1986



23.8057, 0.4886, 0.4256



23.8057, 0.1816, 0.3482

Complementary

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



23.8057, 0.2627, 0.1986



56.2444, 0.3458, 0.4556

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.



23.8057, 0.2476, 0.4588



23.8057, 0.2627, 0.1986



23.8057, 0.4244, 0.4888

Square

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



23.8057, 0.2627, 0.1986



23.8057, 0.5051, 0.3566



23.8057, 0.3367, 0.5136



23.8057, 0.1521, 0.2536

Rectangle

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



23.8057, 0.2627, 0.1986



23.8057, 0.4281, 0.2715



23.8057, 0.3367, 0.5136



23.8057, 0.1997, 0.3865

Sweetspot

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



23.8066, 0.2627, 0.1986



75.6617, 0.3004, 0.2928



37.2516, 0.2413, 0.2709



15.4768, 0.2983, 0.2868



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.



23.8066, 0.2627, 0.1986



28.5965, 0.2490, 0.1698



29.4235, 0.3096, 0.2149



11.6645, 0.3049, 0.3054



4.2509, 0.1907, 0.0824



0.2842, 0.2116, 0.0939

Inverse Universe

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



28.7482, 0.3648, 0.2619



37.3708, 0.3811, 0.2494



51.9539, 0.3112, 0.4703



11.9189, 0.3203, 0.3159



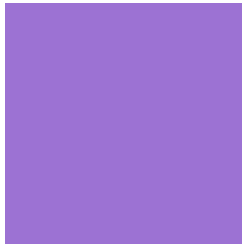
9.1913, 0.4665, 0.2344



0.5297, 0.4326, 0.2157

Previews

White Background



This preview shows how the Yxy color 23.8057, 0.2627, 0.1986 looks on a white background.

Color Contrast Check

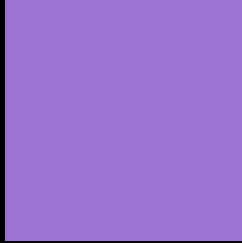
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8057, 0.2627, 0.1986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

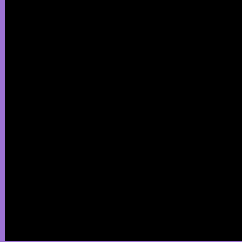
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8057, 0.2627, 0.1986

Background



This preview shows how black text looks on a background with the Yxy color 23.8057, 0.2627, 0.1986.



This preview shows how white text looks on a background with the Yxy color 23.8057, 0.2627, 0.1986.

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

23.8057, 0.2627, 0.1986

Protanopia

24.1033, 0.2104, 0.1916

Deuteranopia

24.0966, 0.2223, 0.2167



Tritanopia

23.6984, 0.3170, 0.3124

Trichromacy



Original Color

23.8057, 0.2627, 0.1986

Protanomaly

23.6696, 0.2255, 0.1926

Deuteranomaly

23.5844, 0.2343, 0.2090

Tritanomaly

23.4644, 0.2956, 0.2637

Monochromacy



Original Color

23.8057, 0.2627, 0.1986

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.4369, 0.2935, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8057, 0.2627, 0.1986 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(156, 114, 211)` looks like.

```
.text, #text, p{  
    color:rgb(156, 114, 211)  
}
```

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(156, 114, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 114, 211) }
```

Border

The CSS property to change the border of an element to Yxy 23.8057, 0.2627, 0.1986 is called "border". The border property can be set on classes, ids or directly on the HTML element.

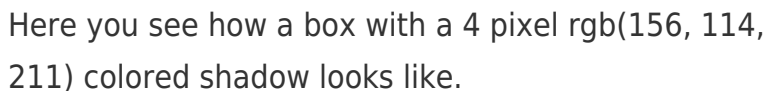
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 114, 211) }
```

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

```
.border{ border-color:rgb(156, 114, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 114, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 114, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 114, 211); box-shadow:4px 4px 4px 4px rgb(156, 114, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8057, 0.2627, 0.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 114, 211) }
```

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

```
.background{ background-color: rgb(156,  
114, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor