

Converting Colors

$Y_{xy}(23.9603, 0.2727, 0.2153)$

Have a look what the booklet for
Yxy(23.9603, 0.2727, 0.2153)
contains.

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Color

Yxy(23.9140, 0.2729, 0.2148)

Conversions

Conversions Part 1

Format	Color
Hex	9C75C7
RGB	156, 117, 199
RGB Percent	61%, 46%, 78%
CMY	0.3881, 0.5412, 0.2197
CMYK	0.22, 0.41, 0.00, 0.22
HSL	269°, 42%, 62%
HSV	269°, 41%, 78%
XYZ	30.3824, 23.9140, 57.0351
YIQ	138.0090, -3.0780, 33.7700

Conversions

Conversions Part 2

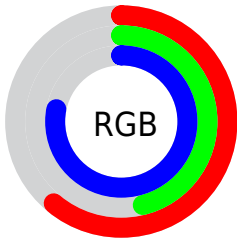
Format	Color
RYB	156, 117, 199
Decimal	10253767
CIELab	56.00, 31.52, -37.08
CIELCh	56, 48.668, 310.366
Yxy	23.9140, 0.2729, 0.2148
Android (android.graphics.Color)	4288443847 (0xFF9C75C7)
YUV	138.0090, 30.0686, 15.7781
Hunter-Lab	48.9019, 25.3221, -34.9195

Details

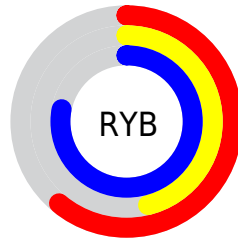
The Yxy color **23.9140, 0.2729, 0.2148** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.5903, 0.3400, 0.4424**, and the grayscale version is **25.3046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9665, 0.2828, 0.2372**, and **9.0621, 0.2570, 0.1823** is the 20% darker color. If you saturate the color by 10%, you get **18.7648, 0.2601, 0.1851**, and if you desaturate by 10%, it is **30.1398, 0.2846, 0.2447**.

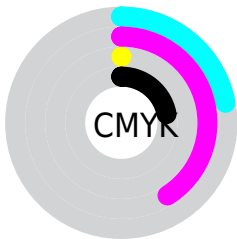
Distribution



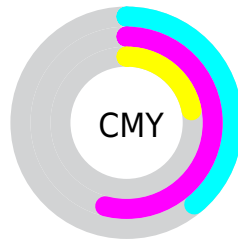
- Red (61%)
- Green (46%)
- Blue (78%)



- Red (61%)
- Yellow (46%)
- Blue (78%)



- Cyan (22%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)





- Cyan (39%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9140, 0.2729, 0.2148 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 23.9140, 0.2729, 0.2148 by changing the saturation by 10% instead.


 23.9140, 0.2729,
0.2148


 23.9140, 0.2729,
0.2148


272.3854, 0.2958,
0.2727


 15.2698, 0.2662,
0.2005


 49.8898, 0.2820,
0.2358

 9.0090, 0.2571,
0.1823


 67.9903, 0.2851,
0.2437

 4.7470, 0.2441,
0.1587


 90.0116, 0.2877,
0.2504

 2.0996, 0.2244,
0.1274

116.3382, 0.2899,
0.2561

 0.6644, 0.1931,
0.0836

147.3545, 0.2918,
0.2611

 0.0000, 0.1173,
0.0000

183.4449, 0.2933,

 0.0000, 0.0000,

0.2654

0.0000

224.9937, 0.2947,
0.2693

■ 23.9140, 0.2729,
0.2148

■ 23.9140, 0.2729,
0.2148

■ 18.7648, 0.2601,
0.1851

■ 30.1398, 0.2846,
0.2447

■ 14.6242, 0.2466,
0.1568

■ 37.4989, 0.2950,
0.2736

■ 11.4204, 0.2328,
0.1316

■ 46.0474, 0.3041,
0.3009

■ 9.0706, 0.2194,
0.1108

■ 55.8368, 0.3119,
0.3261

■ 7.4768, 0.2071,
0.0955

■ 66.9155, 0.3185,
0.3491

6.5414, 0.1973,
0.0860

79.3291, 0.3240,
0.3698

92.3007, 0.3288,
0.3872

94.0674, 0.3356,
0.3859

95.9388, 0.3426,
0.3847

Harmonies

Analogous

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



23.9140, 0.2096, 0.2028



23.9140, 0.2729, 0.2148



23.9140, 0.3579, 0.2491

Triad

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



23.9140, 0.2729, 0.2148



23.9140, 0.4655, 0.4198



23.9140, 0.1975, 0.3435

Complementary

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



23.9140, 0.2729, 0.2148



49.5903, 0.3400, 0.4424

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.



23.9140, 0.2557, 0.4346



23.9140, 0.2729, 0.2148



23.9140, 0.4105, 0.4706

Square

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



23.9140, 0.2729, 0.2148



23.9140, 0.4787, 0.3590



23.9140, 0.3338, 0.4843



23.9140, 0.1710, 0.2635

Rectangle

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



23.9140, 0.2729, 0.2148



23.9140, 0.4142, 0.2815



23.9140, 0.3338, 0.4843



23.9140, 0.2137, 0.3750

Sweetspot

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



23.9150, 0.2729, 0.2148



79.0919, 0.3032, 0.2983



33.2965, 0.2477, 0.2718



16.4838, 0.3021, 0.2948



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.



23.9150, 0.2729, 0.2148



34.0865, 0.2621, 0.1894



28.6132, 0.3145, 0.2279



10.5310, 0.3056, 0.3056



4.2586, 0.1987, 0.0868



0.2447, 0.2221, 0.0997

Inverse Universe

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



27.3972, 0.3616, 0.2733



41.2018, 0.3764, 0.2623



46.0958, 0.3087, 0.4541



10.7282, 0.3209, 0.3170



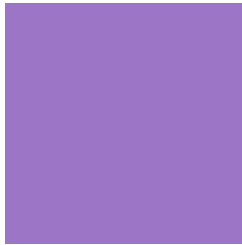
8.4715, 0.4839, 0.2440



0.4157, 0.4410, 0.2203

Previews

White Background



This preview shows how the Yxy color 23.9140, 0.2729, 0.2148 looks on a white background.

Color Contrast Check

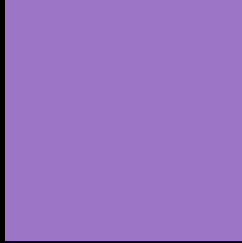
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9140, 0.2729, 0.2148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

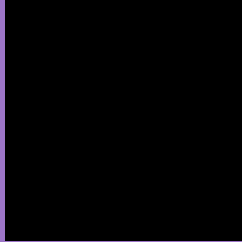
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9140, 0.2729, 0.2148

Background



This preview shows how black text looks on a background with the Yxy color 23.9140, 0.2729, 0.2148.



This preview shows how white text looks on a background with the Yxy color 23.9140, 0.2729, 0.2148.

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

23.9140, 0.2729, 0.2148

Protanopia

24.2593, 0.2241, 0.2095

Deuteranopia

24.0118, 0.2366, 0.2304



Tritanopia

23.9697, 0.3204, 0.3126

Trichromacy



Original Color

23.9140, 0.2729, 0.2148

Protanomaly

23.9688, 0.2396, 0.2114

Deuteranomaly

23.6456, 0.2480, 0.2232

Tritanomaly

23.7245, 0.3029, 0.2728

Monochromacy



Original Color

23.9140, 0.2729, 0.2148

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.5231, 0.2984, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9140, 0.2729, 0.2148 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, 117, 199)` looks like.

```
.text, #text, p{  
    color:rgb(156, 117, 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(156, 117, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 117, 199) }
```

Border

The CSS property to change the border of an element to Yxy 23.9140, 0.2729, 0.2148 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, 117, 199) }
```

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

```
.border{ border-color:rgb(156, 117, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 117, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 117, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 117, 199);  
box-shadow:4px 4px 4px 4px rgb(156, 117,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9140, 0.2729, 0.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 117, 199) }
```

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

```
.background{ background-color: rgb(156,  
117, 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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