

Converting Colors

$Y_{xy}(19.4017, 0.2645, 0.2137)$

Have a look what the booklet for
Yxy(19.4017, 0.2645, 0.2137)
contains.

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Color

Yxy(19.2949, 0.2642, 0.2133)

Conversions

Conversions Part 1

Format	Color
Hex	876CB7
RGB	135, 108, 183
RGB Percent	53%, 42%, 72%
CMY	0.4707, 0.5764, 0.2823
CMYK	0.26, 0.41, 0.00, 0.28
HSL	262°, 34%, 57%
HSV	262°, 41%, 72%
XYZ	23.8993, 19.2949, 47.2648
YIQ	124.6230, -7.9830, 29.0490

Conversions

Conversions Part 2

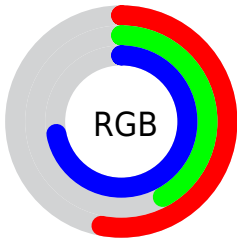
Format	Color
R _Y B	135, 108, 183
Decimal	8875191
CIE Lab	51.03, 26.66, -35.86
CIE LCh	51, 44.689, 306.628
Yxy	19.2949, 0.2642, 0.2133
Android (android.graphics.Color)	4287065271 (0xFF876CB7)
YUV	124.6230, 28.7799, 9.1006
Hunter-Lab	43.9260, 20.2480, -33.0485

Details

The Yxy color **19.2949, 0.2642, 0.2133** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **42.0212, 0.3478, 0.4381**, and the grayscale version is **20.2788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3208, 0.2760, 0.2365**, and **6.6824, 0.2436, 0.1767** is the 20% darker color. If you saturate the color by 10%, you get **14.9130, 0.2489, 0.1821**, and if you desaturate by 10%, it is **24.5955, 0.2783, 0.2443**.

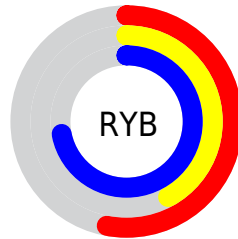
Distribution



Red (53%)

Green (42%)

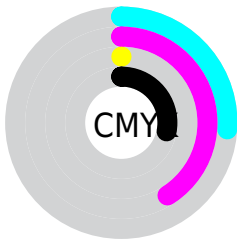
Blue (72%)



Red (53%)

Yellow (42%)

Blue (72%)

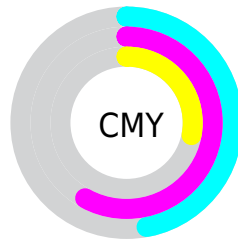


Cyan (26%)

Magenta (41%)

Yellow (0%)

Black (28%)



Cyan (47%)


Magenta (58%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2949, 0.2642, 0.2133 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 19.2949, 0.2642, 0.2133 by changing the saturation by 10% instead.


 19.2949, 0.2642,
0.2133


 19.2949, 0.2642,
0.2133


248.0720, 0.2925,
0.2741


 11.8836, 0.2557,
0.1975


 42.2318, 0.2755,
0.2359

 6.6644, 0.2440,
0.1772


 58.5262, 0.2795,
0.2443

 3.2531, 0.2269,
0.1502

 78.5504, 0.2827,
0.2513

 1.2653, 0.2005,
0.1137

 102.6887, 0.2853,
0.2572

 0.1141, 0.1633,
0.0245

131.3257, 0.2875,
0.2623

 0.0000, 0.0000,
0.0000

164.8456, 0.2894,

0.2667

203.6329, 0.2911,
0.2706

■ 19.2949, 0.2642,
0.2133

■ 19.2949, 0.2642,
0.2133

■ 14.9130, 0.2489,
0.1821

■ 24.5955, 0.2783,
0.2443

■ 11.3928, 0.2329,
0.1521

■ 30.8624, 0.2910,
0.2739

■ 8.6748, 0.2170,
0.1250

■ 38.1428, 0.3022,
0.3015

■ 6.6900, 0.2019,
0.1025

■ 46.4797, 0.3118,
0.3267

■ 5.3575, 0.1886,
0.0860

■ 55.9139, 0.3201,
0.3494

■ 4.5711, 0.1783,
0.0756

■ 66.4840, 0.3271,
0.3697

■ 78.2266, 0.3330,
0.3877

■ 91.1766, 0.3380,
0.4036

■ 93.5420, 0.3457,
0.4022

Harmonies

Analogous

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



19.2949, 0.2050, 0.2045



19.2949, 0.2642, 0.2133



19.2949, 0.3464, 0.2447

Triad

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



19.2949, 0.2642, 0.2133



19.2949, 0.4679, 0.4118



19.2949, 0.2045, 0.3549

Complementary

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



19.2949, 0.2642, 0.2133



42.0212, 0.3478, 0.4381

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.



19.2949, 0.2655, 0.4423



19.2949, 0.2642, 0.2133



19.2949, 0.4179, 0.4641

Square

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



19.2949, 0.2642, 0.2133



19.2949, 0.4744, 0.3514



19.2949, 0.3437, 0.4835



19.2949, 0.1741, 0.2726

Rectangle

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



19.2949, 0.2642, 0.2133



19.2949, 0.4031, 0.2757



19.2949, 0.3437, 0.4835



19.2949, 0.2218, 0.3860

Sweetspot

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



19.2957, 0.2642, 0.2133



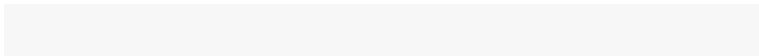
66.6220, 0.3009, 0.2982



30.6386, 0.2507, 0.2872



14.3250, 0.2995, 0.2947



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



19.2957, 0.2642, 0.2133



27.5444, 0.2507, 0.1857



22.8888, 0.3046, 0.2258



8.8725, 0.3039, 0.3058



3.2244, 0.1795, 0.0762



0.1492, 0.2105, 0.0933

Inverse Universe

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



23.1959, 0.3495, 0.2624



35.6482, 0.3607, 0.2487



38.8907, 0.3157, 0.4499



9.1064, 0.3191, 0.3145



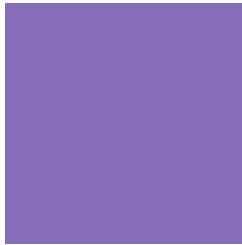
7.9355, 0.4359, 0.2175



0.2911, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 19.2949, 0.2642, 0.2133 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 19.2949, 0.2642, 0.2133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

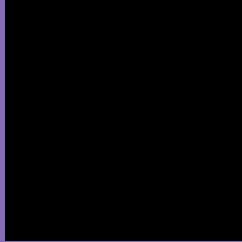
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2949, 0.2642, 0.2133

Background



This preview shows how black text looks on a background with the Yxy color 19.2949, 0.2642, 0.2133.



This preview shows how white text looks on a background with the Yxy color 19.2949, 0.2642, 0.2133.

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

19.2949, 0.2642, 0.2133

Protanopia

19.4236, 0.2232, 0.2080

Deuteranopia

19.4568, 0.2334, 0.2283



Tritanopia

19.3779, 0.3086, 0.3125

Trichromacy



Original Color

19.2949, 0.2642, 0.2133

Protanomaly

19.1868, 0.2363, 0.2097

Deuteranomaly

19.1420, 0.2431, 0.2214

Tritanomaly

19.3278, 0.2914, 0.2718

Monochromacy



Original Color

19.2949, 0.2642, 0.2133

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.9361, 0.2947, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2949, 0.2642, 0.2133 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(135, 108, 183)` looks like.

```
.text, #text, p{  
    color:rgb(135, 108, 183)  
}
```

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(135, 108, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 108, 183) }
```

Border

The CSS property to change the border of an element to Yxy 19.2949, 0.2642, 0.2133 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(135, 108, 183) }
```

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

```
.border{ border-color:rgb(135, 108, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 108, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 108, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 108, 183);  
box-shadow:4px 4px 4px 4px rgb(135, 108,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2949, 0.2642, 0.2133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 108, 183) }
```

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

```
.background{ background-color: rgb(135,  
108, 183) }
```

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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