

Converting Colors

$Y_{xy}(22.9104, 0.2769, 0.1874)$

Have a look what the booklet for
Yxy(22.9104, 0.2769, 0.1874)
contains.

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Color

Yxy(22.9957, 0.2767, 0.1877)

Conversions

Conversions Part 1

Format	Color
Hex	AD65D5
RGB	173, 101, 213
RGB Percent	68%, 40%, 84%
CMY	0.3216, 0.6039, 0.1646
CMYK	0.19, 0.53, 0.00, 0.16
HSL	279°, 57%, 62%
HSV	279°, 53%, 84%
XYZ	33.8994, 22.9957, 65.6180
YIQ	135.2960, 6.9600, 50.0960

Conversions

Conversions Part 2

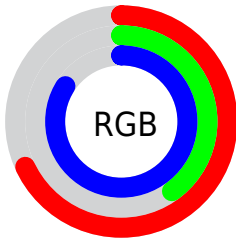
Format	Color
R _Y B	173, 101, 213
Decimal	11363797
CIE Lab	55.07, 48.26, -46.40
CIE LCh	55, 66.949, 316.123
Yxy	22.9957, 0.2767, 0.1877
Android (android.graphics.Color)	4289553877 (0xFFAD65D5)
YUV	135.2960, 38.3081, 33.0664
Hunter-Lab	47.9538, 42.2654, -47.5622

Details

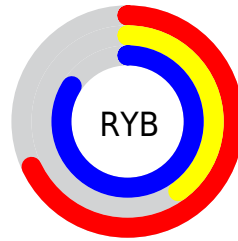
The Yxy color **22.9957, 0.2767, 0.1877** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **54.2047, 0.3311, 0.4833**, and the grayscale version is **24.1976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3201, 0.2974, 0.2250**, and **8.6014, 0.2611, 0.1519** is the 20% darker color. If you saturate the color by 10%, you get **18.5393, 0.2673, 0.1627**, and if you desaturate by 10%, it is **28.5752, 0.2855, 0.2148**.

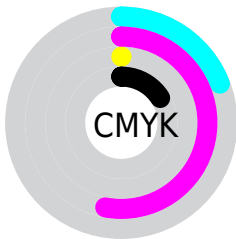
Distribution



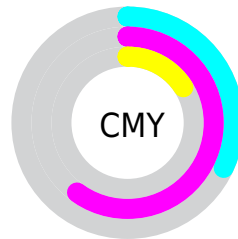
- Red (68%)
- Green (40%)
- Blue (84%)



- Red (68%)
- Yellow (40%)
- Blue (84%)



- Cyan (19%)
- Magenta (53%)
- Yellow (0%)
- Black (16%)




- Cyan (32%)
- Magenta (60%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9957, 0.2767, 0.1877 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 22.9957, 0.2767, 0.1877 by changing the saturation by 10% instead.


 22.9957, 0.2767,
0.1877


 22.9957, 0.2767,
0.1877


267.7029, 0.2986,
0.2568


 14.5903, 0.2701,
0.1715


 48.3863, 0.2855,
0.2122

 8.5324, 0.2610,
0.1515


 66.1403, 0.2886,
0.2216

 4.4375, 0.2480,
0.1266


 87.7792, 0.2911,
0.2296

 1.9212, 0.2285,
0.0955

 113.6876, 0.2931,
0.2365

 0.5610, 0.1983,
0.0544

144.2498, 0.2949,
0.2426

 0.0000, 0.1471,
0.0000

179.8501, 0.2963,

 0.0000, 0.0000,

0.2479

0.0000

220.8730, 0.2976,
0.2526

■ 22.9957, 0.2767,
0.1877

■ 22.9957, 0.2767,
0.1877

■ 18.5393, 0.2673,
0.1627

■ 28.5752, 0.2855,
0.2148

■ 15.1179, 0.2576,
0.1411

■ 35.3515, 0.2934,
0.2428

■ 12.6340, 0.2479,
0.1239

■ 43.3950, 0.3004,
0.2706

■ 10.9697, 0.2386,
0.1116

■ 52.7698, 0.3064,
0.2974

■ 10.1164, 0.2320,
0.1052

■ 63.5357, 0.3115,
0.3227

■ 75.7487, 0.3158,
0.3462

■ 89.4617, 0.3193,
0.3677

■ 93.7985, 0.3238,
0.3719

■ 95.1138, 0.3287,
0.3712

Harmonies

Analogous

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



22.9957, 0.1892, 0.1668



22.9957, 0.2767, 0.1877



22.9957, 0.3966, 0.2343

Triad

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



22.9957, 0.2767, 0.1877



22.9957, 0.4989, 0.4503



22.9957, 0.1496, 0.3193

Complementary

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



22.9957, 0.2767, 0.1877



54.2047, 0.3311, 0.4833

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.



22.9957, 0.2133, 0.4589



22.9957, 0.2767, 0.1877



22.9957, 0.4136, 0.5251

Square

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



22.9957, 0.2767, 0.1877



22.9957, 0.5387, 0.3712



22.9957, 0.3106, 0.5466



22.9957, 0.1282, 0.2208

Rectangle

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



22.9957, 0.2767, 0.1877



22.9957, 0.4731, 0.2759



22.9957, 0.3106, 0.5466



22.9957, 0.1659, 0.3641

Sweetspot

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



22.9966, 0.2767, 0.1877



74.0138, 0.3044, 0.2880



26.9402, 0.2241, 0.2231



15.2116, 0.3031, 0.2824



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.



22.9966, 0.2767, 0.1877



27.2397, 0.2663, 0.1602



27.5381, 0.3347, 0.2179



12.4005, 0.3081, 0.3056



6.2373, 0.2333, 0.1059



0.4219, 0.2485, 0.1143

Inverse Universe

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



25.3806, 0.4081, 0.2806



31.5865, 0.4408, 0.2734



51.6264, 0.2973, 0.4749



12.4934, 0.3236, 0.3207



8.9785, 0.5535, 0.2823



0.5571, 0.5055, 0.2558

Previews

White Background



This preview shows how the Yxy color 22.9957, 0.2767, 0.1877 looks on a white background.

Color Contrast Check

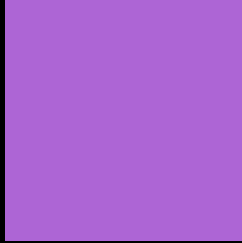
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9957, 0.2767, 0.1877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

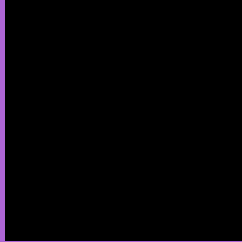
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9957, 0.2767, 0.1877

Background



This preview shows how black text looks on a background with the Yxy color 22.9957, 0.2767, 0.1877.



This preview shows how white text looks on a background with the Yxy color 22.9957, 0.2767, 0.1877.

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

22.9957, 0.2767, 0.1877

Protanopia

23.2900, 0.1966, 0.1732

Deuteranopia

23.2828, 0.2186, 0.2127



Tritanopia

23.0313, 0.3493, 0.3148

Trichromacy



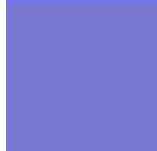
Original Color

22.9957, 0.2767, 0.1877



Protanomaly

22.1807, 0.2163, 0.1740



Deuteranomaly

22.3431, 0.2346, 0.1998



Tritanomaly

22.6072, 0.3208, 0.2593

Monochromacy



Original Color

22.9957, 0.2767, 0.1877



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.1998, 0.2997, 0.2665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9957, 0.2767, 0.1877 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(173, 101, 213)` looks like.

```
.text, #text, p{  
    color:rgb(173, 101, 213)  
}
```

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(173, 101, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 101, 213) }
```

Border

The CSS property to change the border of an element to Yxy 22.9957, 0.2767, 0.1877 is called "border". The border property can be set on classes, ids or directly on the HTML element.

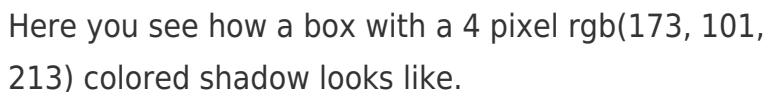
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 101, 213) }
```

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

```
.border{ border-color:rgb(173, 101, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 101, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 101, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 101, 213);  
box-shadow:4px 4px 4px 4px rgb(173, 101,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9957, 0.2767, 0.1877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 101, 213) }
```

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

```
.background{ background-color: rgb(173,  
101, 213) }
```

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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