

Converting Colors

$Y_{xy}(26.6716, 0.2911, 0.2230)$

Have a look what the booklet for
Yxy(26.6716, 0.2911, 0.2230)
contains.

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Color

Yxy(26.7170, 0.2914, 0.2236)

Conversions

Conversions Part 1

Format	Color
Hex	AF78C8
RGB	175, 120, 200
RGB Percent	69%, 47%, 78%
CMY	0.3137, 0.5294, 0.2158
CMYK	0.12, 0.40, 0.00, 0.22
HSL	281°, 42%, 63%
HSV	281°, 40%, 78%
XYZ	34.8181, 26.7170, 57.9506
YIQ	145.5650, 7.1000, 36.5400

Conversions

Conversions Part 2

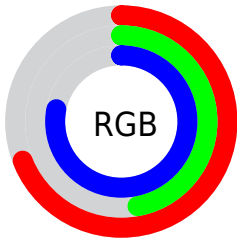
Format	Color
RYB	175, 120, 200
Decimal	11499720
CIELab	58.71, 35.73, -33.27
CIELCh	59, 48.818, 317.043
Yxy	26.7170, 0.2914, 0.2236
Android (android.graphics.Color)	4289689800 (0xFFAF78C8)
YUV	145.5650, 26.8365, 25.8145
Hunter-Lab	51.6885, 29.7854, -30.2911

Details

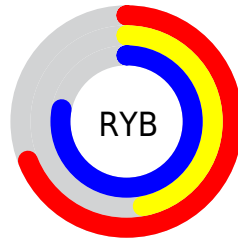
The Yxy color **26.7170, 0.2914, 0.2236** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.6727, 0.3256, 0.4438**, and the grayscale version is **28.4444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2629, 0.2984, 0.2443**, and **10.5206, 0.2816, 0.1941** is the 20% darker color. If you saturate the color by 10%, you get **21.6933, 0.2841, 0.1969**, and if you desaturate by 10%, it is **32.7808, 0.2980, 0.2510**.

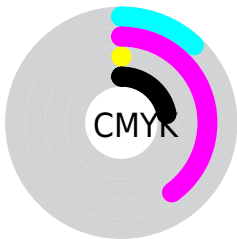
Distribution



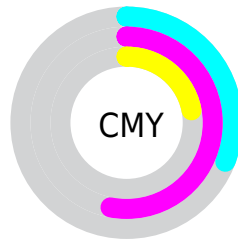
- Red (69%)
- Green (47%)
- Blue (78%)



- Red (69%)
- Yellow (47%)
- Blue (78%)



- Cyan (12%)
- Magenta (40%)
- Yellow (0%)
- Black (22%)





- Cyan (31%)
- Magenta (53%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7170, 0.2914, 0.2236 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 26.7170, 0.2914, 0.2236 by changing the saturation by 10% instead.

 26.7170, 0.2914,
0.2236


 26.7170, 0.2914,
0.2236


286.2843, 0.3043,
0.2763

 17.3608, 0.2875,
0.2107


 54.4294, 0.2966,
0.2426

 10.4921, 0.2820,
0.1943


 73.5544, 0.2984,
0.2498

 5.7264, 0.2740,
0.1731


 96.7044, 0.2999,
0.2559

 2.6794, 0.2616,
0.1448

124.2639, 0.3011,
0.2611

 0.9668, 0.2405,
0.1062

156.6173, 0.3021,
0.2657

 0.0000, 0.2117,
0.0000

194.1488, 0.3029,

 0.0000, 0.0000,

0.2697

0.0000

237.2430, 0.3036,
0.2732

■ 26.7170, 0.2914,
0.2236

■ 26.7170, 0.2914,
0.2236

■ 21.6933, 0.2841,
0.1969

■ 32.7808, 0.2980,
0.2510

■ 17.6429, 0.2761,
0.1722

■ 39.9393, 0.3037,
0.2782

■ 14.4963, 0.2677,
0.1504


■ 48.2473, 0.3086,
0.3043

■ 12.1731, 0.2592,
0.1328


■ 57.7550, 0.3127,
0.3290


■ 10.5784, 0.2509,
0.1199

■ 68.5093, 0.3161,
0.3520


 9.5319, 0.2429,
0.1112

 80.5548, 0.3189,
0.3730

 9.5308, 0.2429,
0.1112

 90.7062, 0.3216,
0.3873

 91.6917, 0.3256,
0.3866

 92.7140, 0.3297,
0.3859

Harmonies

Analogous

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



26.7170, 0.2239, 0.2068



26.7170, 0.2914, 0.2236



26.7170, 0.3754, 0.2613

Triad

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



26.7170, 0.2914, 0.2236



26.7170, 0.4521, 0.4303



26.7170, 0.1924, 0.3239

Complementary

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



26.7170, 0.2914, 0.2236



48.6727, 0.3256, 0.4438

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.



26.7170, 0.2429, 0.4128



26.7170, 0.2914, 0.2236



26.7170, 0.3927, 0.4736

Square

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



26.7170, 0.2914, 0.2236



26.7170, 0.4750, 0.3721



26.7170, 0.3162, 0.4734



26.7170, 0.1733, 0.2529

Rectangle

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



26.7170, 0.2914, 0.2236



26.7170, 0.4268, 0.2949



26.7170, 0.3162, 0.4734



26.7170, 0.2059, 0.3533

Sweetspot

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



26.7181, 0.2914, 0.2236



80.2386, 0.3076, 0.2987



28.5154, 0.2454, 0.2469



16.7539, 0.3070, 0.2953



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.



26.7181, 0.2914, 0.2236



38.6018, 0.2851, 0.2003



29.2276, 0.3327, 0.2473



10.6441, 0.3089, 0.3059



6.1109, 0.2440, 0.1118



0.3265, 0.2605, 0.1209

Inverse Universe

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



27.7554, 0.3805, 0.2963



40.8596, 0.4033, 0.2896



47.0315, 0.2979, 0.4278



10.6906, 0.3241, 0.3218



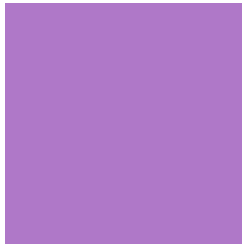
8.0465, 0.5695, 0.2911



0.3942, 0.5091, 0.2578

Previews

White Background



This preview shows how the Yxy color 26.7170, 0.2914, 0.2236 looks on a white background.

Color Contrast Check

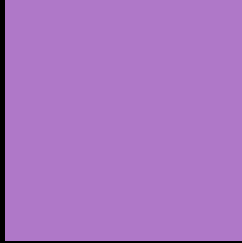
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7170, 0.2914, 0.2236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

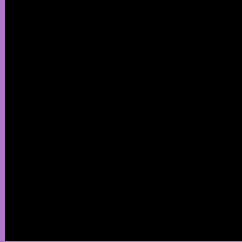
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7170, 0.2914, 0.2236

Background



This preview shows how black text looks on a background with the Yxy color 26.7170, 0.2914, 0.2236.



This preview shows how white text looks on a background with the Yxy color 26.7170, 0.2914, 0.2236.

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

26.7170, 0.2914, 0.2236

Protanopia

27.0005, 0.2299, 0.2173

Deuteranopia

26.9526, 0.2491, 0.2440



Tritanopia

26.5927, 0.3399, 0.3124

Trichromacy



Original Color

26.7170, 0.2914, 0.2236



Protanomaly

26.3899, 0.2484, 0.2183



Deuteranomaly

26.5571, 0.2631, 0.2359



Tritanomaly

26.5537, 0.3208, 0.2767

Monochromacy



Original Color

26.7170, 0.2914, 0.2236



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.8126, 0.3052, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7170, 0.2914, 0.2236 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(175, 120, 200)` looks like.

```
.text, #text, p{  
    color:rgb(175, 120, 200)  
}
```

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(175, 120, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 120, 200) }
```

Border

The CSS property to change the border of an element to Yxy 26.7170, 0.2914, 0.2236 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(175, 120, 200) }
```

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

```
.border{ border-color:rgb(175, 120, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 120, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 120, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 120, 200);  
box-shadow:4px 4px 4px 4px rgb(175, 120,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7170, 0.2914, 0.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 120, 200) }
```

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

```
.background{ background-color: rgb(175,  
120, 200) }
```

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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