

Converting Colors

$Yxy(26.9964, 0.2789, 0.2088)$

Have a look what the booklet for
Yxy(26.9964, 0.2789, 0.2088)
contains.

Yxy(26.9964, 0.2789, 0.2088)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.9964, 0.2789, 0.2088)

Conversions

Conversions Part 1

Format	Color
Hex	AE77D5
RGB	174, 119, 213
RGB Percent	68%, 47%, 84%
CMY	0.3176, 0.5333, 0.1648
CMYK	0.18, 0.44, 0.00, 0.16
HSL	275°, 53%, 65%
HSV	275°, 44%, 84%
XYZ	36.0598, 26.9964, 66.2369
YIQ	146.1610, 2.6060, 40.8940

Conversions

Conversions Part 2

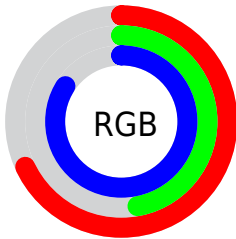
Format	Color
RYB	174, 119, 213
Decimal	11433941
CIELab	58.97, 38.81, -40.20
CIELCh	59, 55.882, 313.992
Yxy	26.9964, 0.2789, 0.2088
Android (android.graphics.Color)	4289624021 (0xFFAE77D5)
YUV	146.1610, 32.9516, 24.4148
Hunter-Lab	51.9581, 32.9557, -39.2131

Details

The Yxy color **26.9964, 0.2789, 0.2088** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **56.1682, 0.3337, 0.4548**, and the grayscale version is **28.6766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7140, 0.2976, 0.2431**, and **10.7179, 0.2659, 0.1776** is the 20% darker color. If you saturate the color by 10%, you get **21.5022, 0.2685, 0.1810**, and if you desaturate by 10%, it is **33.6951, 0.2884, 0.2375**.

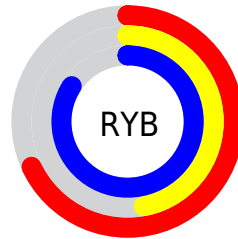
Distribution



Red (68%)

Green (47%)

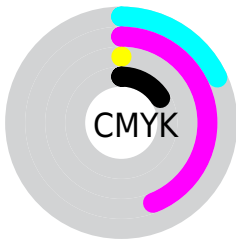
Blue (84%)



Red (68%)

Yellow (47%)

Blue (84%)

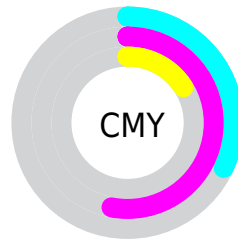


Cyan (18%)

Magenta (44%)

Yellow (0%)

Black (16%)



Cyan (32%)

Magenta (53%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9964, 0.2789, 0.2088 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 26.9964, 0.2789, 0.2088 by changing the saturation by 10% instead.


 26.9964, 0.2789,
0.2088


 26.9964, 0.2789,
0.2088


287.6397, 0.2986,
0.2678


 17.5705, 0.2732,
0.1947


 54.8781, 0.2867,
0.2298

 10.6421, 0.2655,
0.1772


 74.1027, 0.2894,
0.2379

 5.8267, 0.2546,
0.1549


 97.3623, 0.2916,
0.2447

 2.7400, 0.2383,
0.1261

125.0414, 0.2935,
0.2506

 0.9975, 0.2125,
0.0887

157.5242, 0.2951,
0.2558

 0.0000, 0.1765,
0.0000

195.1953, 0.2964,

 0.0000, 0.0000,

0.2603

0.0000

238.4390, 0.2976,
0.2643

■ 26.9964, 0.2789,
0.2088

■ 26.9964, 0.2789,
0.2088

■ 21.5022, 0.2685,
0.1810

■ 33.6951, 0.2884,
0.2375

■ 17.1313, 0.2575,
0.1554

■ 41.6658, 0.2968,
0.2659

■ 13.7970, 0.2463,
0.1332

■ 50.9751, 0.3042,
0.2933

■ 11.3983, 0.2353,
0.1158

■ 61.6835, 0.3104,
0.3190

■ 9.8127, 0.2249,
0.1035

■ 73.8481, 0.3157,
0.3427

■ 9.1370, 0.2191,
0.0981

■ 87.5225, 0.3201,
0.3644

■ 94.1240, 0.3251,
0.3718

■ 95.6715, 0.3308,
0.3710

■ 97.2948, 0.3366,
0.3702

Harmonies

Analogous

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



26.9964, 0.2071, 0.1927



26.9964, 0.2789, 0.2088



26.9964, 0.3737, 0.2479

Triad

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



26.9964, 0.2789, 0.2088



26.9964, 0.4731, 0.4328



26.9964, 0.1817, 0.3317

Complementary

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



26.9964, 0.2789, 0.2088



56.1682, 0.3337, 0.4548

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.



26.9964, 0.2401, 0.4357



26.9964, 0.2789, 0.2088



26.9964, 0.4081, 0.4880

Square

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



26.9964, 0.2789, 0.2088



26.9964, 0.4960, 0.3671



26.9964, 0.3232, 0.4991



26.9964, 0.1583, 0.2480

Rectangle

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



26.9964, 0.2789, 0.2088



26.9964, 0.4346, 0.2836



26.9964, 0.3232, 0.4991



26.9964, 0.1974, 0.3665

Sweetspot

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



26.9975, 0.2789, 0.2088



78.1286, 0.3048, 0.2959



33.2320, 0.2400, 0.2503



16.0065, 0.3033, 0.2899



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.



26.9975, 0.2789, 0.2088



32.7540, 0.2691, 0.1825



31.7507, 0.3256, 0.2294



12.3642, 0.3072, 0.3056



5.6445, 0.2205, 0.0988



0.3885, 0.2375, 0.1082

Inverse Universe

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



29.8039, 0.3793, 0.2813



37.7870, 0.4014, 0.2720



53.0212, 0.3019, 0.4546



12.5054, 0.3227, 0.3194



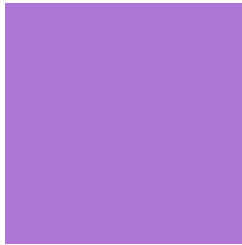
9.0940, 0.5304, 0.2696



0.5648, 0.4857, 0.2449

Previews

White Background



This preview shows how the Yxy color 26.9964, 0.2789, 0.2088 looks on a white background.

Color Contrast Check

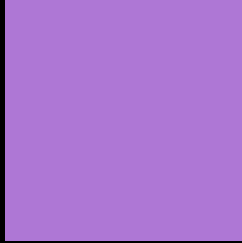
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9964, 0.2789, 0.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

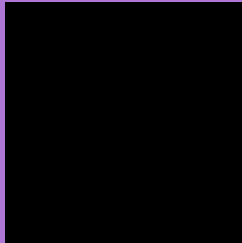
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9964, 0.2789, 0.2088

Background



This preview shows how black text looks on a background with the Yxy color 26.9964, 0.2789, 0.2088.



This preview shows how white text looks on a background with the Yxy color 26.9964, 0.2789, 0.2088.

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

26.9964, 0.2789, 0.2088

Protanopia

27.2426, 0.2178, 0.2014

Deuteranopia

27.2306, 0.2345, 0.2282



Tritanopia

26.8811, 0.3339, 0.3123

Trichromacy



Original Color

26.9964, 0.2789, 0.2088

Protanomaly

26.7096, 0.2357, 0.2026

Deuteranomaly

26.6624, 0.2486, 0.2197

Tritanomaly

26.8183, 0.3122, 0.2697

Monochromacy



Original Color

26.9964, 0.2789, 0.2088

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.5785, 0.3003, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9964, 0.2789, 0.2088 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(174, 119, 213)` looks like.

```
.text, #text, p{  
    color:rgb(174, 119, 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(174, 119, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 119, 213) }
```

Border

The CSS property to change the border of an element to Yxy 26.9964, 0.2789, 0.2088 is called "border". The border property can be set on classes, ids or directly on the HTML element.

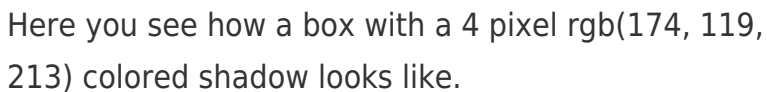
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 119, 213) }
```

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

```
.border{ border-color:rgb(174, 119, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(174, 119, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 119, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 119, 213);  
box-shadow:4px 4px 4px 4px rgb(174, 119,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9964, 0.2789, 0.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 119, 213) }
```

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

```
.background{ background-color: rgb(174,  
119, 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](#).

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