

Converting Colors

$Y_{xy}(28.4797, 0.2639, 0.1976)$

Have a look what the booklet for
Yxy(28.4797, 0.2639, 0.1976)
contains.

Yxy(28.4810, 0.2638, 0.1976)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.4810, 0.2638, 0.1976)

Conversions

Conversions Part 1

Format	Color
Hex	AB7BE5
RGB	171, 123, 229
RGB Percent	67%, 48%, 90%
CMY	0.3294, 0.5177, 0.1019
CMYK	0.25, 0.46, 0.00, 0.10
HSL	267°, 67%, 69%
HSV	267°, 46%, 90%
XYZ	38.0227, 28.4810, 77.6309
YIQ	149.4360, -5.4180, 43.1420

Conversions

Conversions Part 2

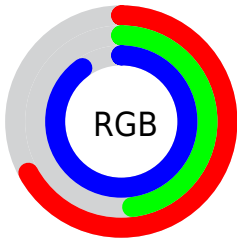
Format	Color
RYB	171, 123, 229
Decimal	11238373
CIELab	60.32, 39.45, -47.08
CIELCh	60, 61.424, 309.956
Yxy	28.4810, 0.2638, 0.1976
Android (android.graphics.Color)	4289428453 (0xFFAB7BE5)
YUV	149.4360, 39.2251, 18.9116
Hunter-Lab	53.3676, 33.7823, -48.8886

Details

The Yxy color **28.4810, 0.2638, 0.1976** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **67.2996, 0.3446, 0.4578**, and the grayscale version is **30.0821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7646, 0.2953, 0.2466**, and **11.4952, 0.2465, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **22.1085, 0.2499, 0.1679**, and if you desaturate by 10%, it is **36.3180, 0.2768, 0.2281**.

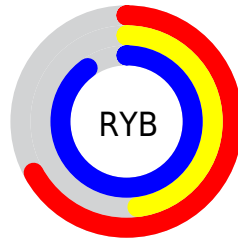
Distribution



Red (67%)

Green (48%)

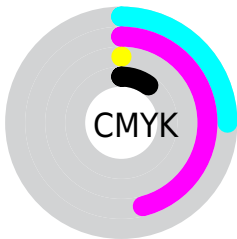
Blue (90%)



Red (67%)

Yellow (48%)

Blue (90%)

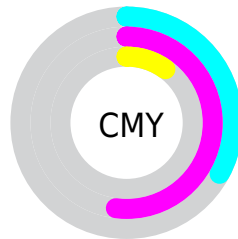


Cyan (25%)

Magenta (46%)

Yellow (0%)

Black (10%)



Cyan (33%)


Magenta (52%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4810, 0.2638, 0.1976 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 28.4810, 0.2638, 0.1976 by changing the saturation by 10% instead.


 28.4810, 0.2638,
0.1976


 28.4810, 0.2638,
0.1976


294.7582, 0.2911,
0.2608


 18.6886, 0.2563,
0.1830


 57.2515, 0.2743,
0.2198

 11.4455, 0.2465,
0.1651


 76.9983, 0.2780,
0.2283

 6.3673, 0.2330,
0.1427


 100.8320, 0.2812,
0.2357

 3.0697, 0.2139,
0.1147

129.1371, 0.2838,
0.2421

 1.1682, 0.1856,
0.0798

162.2978, 0.2860,
0.2476

 0.0355, 0.1472,
0.0052

200.6987, 0.2880,

 0.0000, 0.0000,

0.2526

0.0000

244.7240, 0.2896,
0.2569

■ 28.4810, 0.2638,
0.1976

■ 28.4810, 0.2638,
0.1976

■ 22.1085, 0.2499,
0.1679

■ 36.3180, 0.2768,
0.2281

■ 17.0993, 0.2355,
0.1405

■ 45.7045, 0.2885,
0.2581

■ 13.3443, 0.2213,
0.1171


■ 56.7230, 0.2988,
0.2868


■ 10.7154, 0.2080,
0.0990

■ 69.4490, 0.3078,
0.3134

■ 9.0529, 0.1962,
0.0868

■ 83.9532, 0.3154,
0.3378

 8.5838, 0.1921,
0.0832

 96.8048, 0.3223,
0.3546

 98.4379, 0.3280,
0.3542

Harmonies

Analogous

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



28.4810, 0.1925, 0.1841



28.4810, 0.2638, 0.1976



28.4810, 0.3638, 0.2357

Triad

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



28.4810, 0.2638, 0.1976



28.4810, 0.4898, 0.4278



28.4810, 0.1787, 0.3459

Complementary

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



28.4810, 0.2638, 0.1976



67.2996, 0.3446, 0.4578

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.



28.4810, 0.2446, 0.4591



28.4810, 0.2638, 0.1976



28.4810, 0.4237, 0.4919

Square

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



28.4810, 0.2638, 0.1976



28.4810, 0.5082, 0.3580



28.4810, 0.3346, 0.5165



28.4810, 0.1499, 0.2507

Rectangle

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



28.4810, 0.2638, 0.1976



28.4810, 0.4318, 0.2719



28.4810, 0.3346, 0.5165



28.4810, 0.1967, 0.3848

Sweetspot

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



28.4821, 0.2638, 0.1976



75.7816, 0.3009, 0.2928



43.0409, 0.2396, 0.2651



15.5059, 0.2989, 0.2869



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.



28.4821, 0.2638, 0.1976



28.1844, 0.2498, 0.1678



35.6245, 0.3129, 0.2149



14.2052, 0.3051, 0.3052



4.9766, 0.1937, 0.0841



0.4223, 0.2100, 0.0930

Inverse Universe

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



34.1617, 0.3681, 0.2634



36.6247, 0.3862, 0.2508



62.0880, 0.3090, 0.4732



14.4993, 0.3207, 0.3162



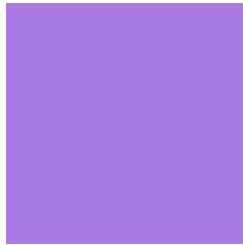
10.3997, 0.4755, 0.2393



0.7872, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 28.4810, 0.2638, 0.1976 looks on a white background.

Color Contrast Check

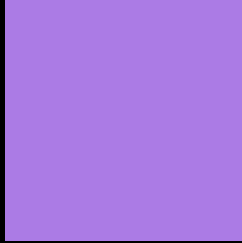
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4810, 0.2638, 0.1976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

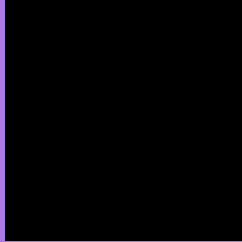
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4810, 0.2638, 0.1976

Background



This preview shows how black text looks on a background with the Yxy color 28.4810, 0.2638, 0.1976.



This preview shows how white text looks on a background with the Yxy color 28.4810, 0.2638, 0.1976.

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

28.4810, 0.2638, 0.1976

Protanopia

28.7665, 0.2091, 0.1899

Deuteranopia

28.6968, 0.2224, 0.2162



Tritanopia

28.4848, 0.3189, 0.3122

Trichromacy



Original Color

28.4810, 0.2638, 0.1976

Protanomaly

28.0548, 0.2242, 0.1906

Deuteranomaly

28.1281, 0.2349, 0.2073

Tritanomaly

28.0269, 0.2970, 0.2629

Monochromacy



Original Color

28.4810, 0.2638, 0.1976

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.1386, 0.2939, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4810, 0.2638, 0.1976 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(171, 123, 229)` looks like.

```
.text, #text, p{  
    color:rgb(171, 123, 229)  
}
```

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(171, 123, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 123, 229) }
```

Border

The CSS property to change the border of an element to Yxy 28.4810, 0.2638, 0.1976 is called "border". The border property can be set on classes, ids or directly on the HTML element.

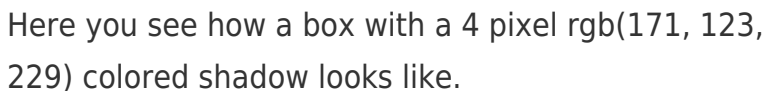
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 123, 229) }
```

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

```
.border{ border-color:rgb(171, 123, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 123, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 123, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 123, 229); box-shadow:4px 4px 4px 4px rgb(171, 123, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4810, 0.2638, 0.1976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 123, 229) }
```

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

```
.background{ background-color: rgb(171,  
123, 229) }
```

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