

Converting Colors

$Y_{xy}(28.6280, 0.2839, 0.2236)$

Have a look what the booklet for
Yxy(28.6280, 0.2839, 0.2236)
contains.

Yxy(28.7315, 0.2836, 0.2237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.7315, 0.2836, 0.2237)

Conversions

Conversions Part 1

Format	Color
Hex	AE7FD0
RGB	174, 127, 208
RGB Percent	68%, 50%, 82%
CMY	0.3177, 0.5019, 0.1844
CMYK	0.16, 0.39, 0.00, 0.18
HSL	275°, 46%, 66%
HSV	275°, 39%, 82%
XYZ	36.4249, 28.7315, 63.2812
YIQ	150.2870, 2.0110, 35.1550

Conversions

Conversions Part 2

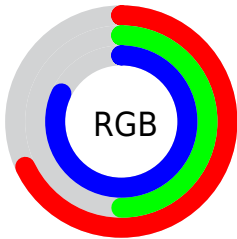
Format	Color
RYB	174, 127, 208
Decimal	11435984
CIELab	60.54, 33.25, -34.93
CIElCh	61, 48.227, 313.587
Yxy	28.7315, 0.2836, 0.2237
Android (android.graphics.Color)	4289626064 (0xFFAE7FD0)
YUV	150.2870, 28.4525, 20.7963
Hunter-Lab	53.6018, 27.4960, -32.4754

Details

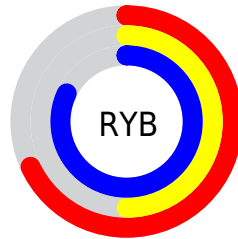
The Yxy color **28.7315, 0.2836, 0.2237** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **54.2071, 0.3322, 0.4383**, and the grayscale version is **30.5043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8514, 0.2976, 0.2513**, and **11.6007, 0.2724, 0.1957** is the 20% darker color. If you saturate the color by 10%, you get **22.9328, 0.2736, 0.1953**, and if you desaturate by 10%, it is **35.7064, 0.2927, 0.2524**.

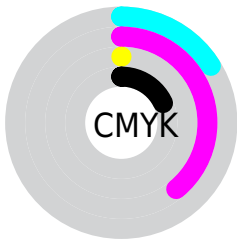
Distribution



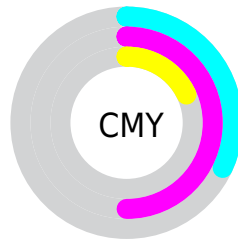
- Red (68%)
- Green (50%)
- Blue (82%)



- Red (68%)
- Yellow (50%)
- Blue (82%)



- Cyan (16%)
- Magenta (39%)
- Yellow (0%)
- Black (18%)





- Cyan (32%)
- Magenta (50%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.7315, 0.2836, 0.2237 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 28.7315, 0.2836, 0.2237 by changing the saturation by 10% instead.


 28.7315, 0.2836,
0.2237


 28.7315, 0.2836,
0.2237


295.9460, 0.3003,
0.2758


 18.8778, 0.2788,
0.2111


 57.6502, 0.2902,
0.2424

 11.5820, 0.2723,
0.1952


 77.4840, 0.2925,
0.2495

 6.4597, 0.2630,
0.1747


 101.4133, 0.2944,
0.2556

 3.1266, 0.2491,
0.1475

129.8225, 0.2960,
0.2607

 1.1982, 0.2267,
0.1110

163.0960, 0.2973,
0.2653

 0.0602, 0.1972,
0.0137

201.6181, 0.2985,

 0.0000, 0.0000,

0.2692

0.0000

245.7733, 0.2995,
0.2727

■ 28.7315, 0.2836,
0.2237

■ 28.7315, 0.2836,
0.2237

■ 22.9328, 0.2736,
0.1953

■ 35.7064, 0.2927,
0.2524

■ 18.2369, 0.2627,
0.1683

■ 43.9181, 0.3006,
0.2803

■ 14.5673, 0.2514,
0.1441

■ 53.4269, 0.3075,
0.3069

■ 11.8360, 0.2401,
0.1239

■ 64.2884, 0.3133,
0.3316

■ 9.9393, 0.2293,
0.1088

■ 76.5546, 0.3182,
0.3542

■ 8.7102, 0.2192,
0.0985

■ 90.2749, 0.3222,
0.3748

■ 8.5939, 0.2181,
0.0975

■ 93.7515, 0.3275,
0.3770

■ 95.2750, 0.3332,
0.3762

■ 96.8724, 0.3390,
0.3753

Harmonies

Analogous

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



28.7315, 0.2209, 0.2100



28.7315, 0.2836, 0.2237



28.7315, 0.3640, 0.2583

Triad

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



28.7315, 0.2836, 0.2237



28.7315, 0.4525, 0.4217



28.7315, 0.2004, 0.3340

Complementary

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



28.7315, 0.2836, 0.2237



54.2071, 0.3322, 0.4383

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.



28.7315, 0.2528, 0.4185



28.7315, 0.2836, 0.2237



28.7315, 0.3985, 0.4656

Square

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



28.7315, 0.2836, 0.2237



28.7315, 0.4689, 0.3648



28.7315, 0.3254, 0.4708



28.7315, 0.1780, 0.2621

Rectangle

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



28.7315, 0.2836, 0.2237



28.7315, 0.4150, 0.2902



28.7315, 0.3254, 0.4708



28.7315, 0.2148, 0.3627

Sweetspot

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



28.7327, 0.2836, 0.2237



79.6513, 0.3054, 0.2985



34.9404, 0.2493, 0.2634



16.6154, 0.3045, 0.2950



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.



28.7327, 0.2836, 0.2237



37.5250, 0.2750, 0.1991



32.8799, 0.3225, 0.2392



11.7515, 0.3072, 0.3056



5.4158, 0.2195, 0.0983



0.3489, 0.2377, 0.1083

Inverse Universe

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



31.1615, 0.3679, 0.2864



42.1520, 0.3862, 0.2772



51.2880, 0.3039, 0.4391



11.8894, 0.3226, 0.3193



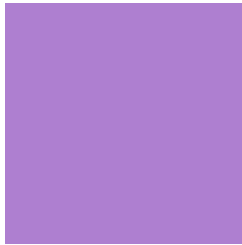
8.8082, 0.5280, 0.2683



0.5082, 0.4809, 0.2423

Previews

White Background



This preview shows how the Yxy color 28.7315, 0.2836, 0.2237 looks on a white background.

Color Contrast Check

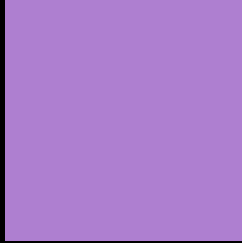
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7315, 0.2836, 0.2237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

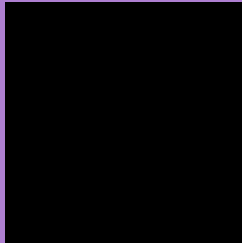
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7315, 0.2836, 0.2237

Background



This preview shows how black text looks on a background with the Yxy color 28.7315, 0.2836, 0.2237.



This preview shows how white text looks on a background with the Yxy color 28.7315, 0.2836, 0.2237.

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

28.7315, 0.2836, 0.2237

Protanopia

29.1424, 0.2313, 0.2191

Deuteranopia

29.0461, 0.2472, 0.2424



Tritanopia

28.6666, 0.3299, 0.3126

Trichromacy



Original Color

28.7315, 0.2836, 0.2237

Protanomaly

28.6757, 0.2474, 0.2199

Deuteranomaly

28.4244, 0.2588, 0.2340

Tritanomaly

28.5931, 0.3119, 0.2773

Monochromacy



Original Color

28.7315, 0.2836, 0.2237

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.6572, 0.3024, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7315, 0.2836, 0.2237 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, 127, 208)` looks like.

```
.text, #text, p{  
    color:rgb(174, 127, 208)  
}
```

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, 127, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 127, 208) }
```

Border

The CSS property to change the border of an element to Yxy 28.7315, 0.2836, 0.2237 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, 127, 208) }
```

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

```
.border{ border-color:rgb(174, 127, 208) }
```

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

Here you see how a box with a 4 pixel rgb(174, 127, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 127, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 127, 208);  
box-shadow:4px 4px 4px 4px rgb(174, 127,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7315, 0.2836, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 127, 208) }
```

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

```
.background{ background-color: rgb(174,  
127, 208) }
```

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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