

Converting Colors

$Y_{xy}(27.7028, 0.2894, 0.2497)$

Have a look what the booklet for
Yxy(27.7028, 0.2894, 0.2497)
contains.

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Color

Yxy(27.8148, 0.2896, 0.2499)

Conversions

Conversions Part 1

Format	Color
Hex	A284BC
RGB	162, 132, 188
RGB Percent	64%, 52%, 74%
CMY	0.3646, 0.4824, 0.2627
CMYK	0.14, 0.30, 0.00, 0.26
HSL	272°, 29%, 63%
HSV	272°, 30%, 74%
XYZ	32.2336, 27.8148, 51.2554
YIQ	147.3540, -0.0960, 23.7760

Conversions

Conversions Part 2

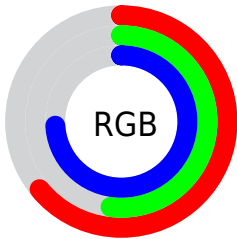
Format	Color
R _Y B	162, 132, 188
Decimal	10650812
CIE Lab	59.72, 22.30, -25.03
CIE LCh	60, 33.518, 311.696
Yxy	27.8148, 0.2896, 0.2499
Android (android.graphics.Color)	4288840892 (0xFFA284BC)
YUV	147.3540, 20.0385, 12.8445
Hunter-Lab	52.7397, 16.8014, -20.7034

Details

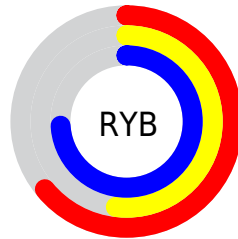
The Yxy color **27.8148, 0.2896, 0.2499** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.9063, 0.3303, 0.4092**, and the grayscale version is **29.2487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9813, 0.2947, 0.2648**, and **11.0989, 0.2806, 0.2253** is the 20% darker color. If you saturate the color by 10%, you get **22.2862, 0.2795, 0.2209**, and if you desaturate by 10%, it is **34.3280, 0.2985, 0.2781**.

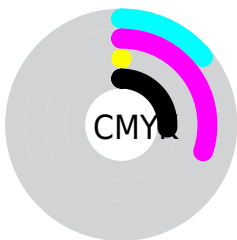
Distribution



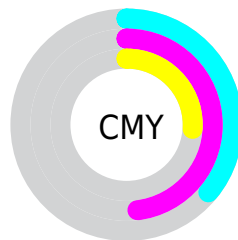
- Red (64%)
- Green (52%)
- Blue (74%)



- Red (64%)
- Yellow (52%)
- Blue (74%)



- Cyan (14%)
- Magenta (30%)
- Yellow (0%)
- Black (26%)



- Cyan (36%)
- Magenta (48%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8148, 0.2896, 0.2499 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 27.8148, 0.2896, 0.2499 by changing the saturation by 10% instead.

27.8148, 0.2896,
0.2499

27.8148, 0.2896,
0.2499

291.5809, 0.3027,
0.2904

18.1861, 0.2858,
0.2396

56.1886, 0.2948,
0.2648

11.0837, 0.2806,
0.2262

75.7025, 0.2966,
0.2704

6.1231, 0.2731,
0.2083

99.2803, 0.2981,
0.2750

2.9201, 0.2614,
0.1833

127.3063, 0.2993,
0.2790

1.0902, 0.2417,
0.1467

160.1650, 0.3004,
0.2825

0.0000, 0.2107,
0.0000

198.2407, 0.3013,

0.0000, 0.0000,

0.2855

0.0000

241.9179, 0.3020,
0.2881

■ 27.8148, 0.2896,
0.2499

■ 27.8148, 0.2896,
0.2499

■ 22.2862, 0.2795,
0.2209

■ 34.3280, 0.2985,
0.2781

■ 17.6880, 0.2684,
0.1920

■ 41.8693, 0.3062,
0.3047

■ 13.9661, 0.2565,
0.1646

■ 50.4836, 0.3128,
0.3295

■ 11.0591, 0.2442,
0.1399

■ 60.2122, 0.3184,
0.3521

■ 8.8973, 0.2319,
0.1193

■ 71.0942, 0.3230,
0.3726

■ 7.3987, 0.2203,
0.1038

■ 83.1667, 0.3269,
0.3911

■ 6.4047, 0.2096,
0.0929

■ 90.8525, 0.3313,
0.3997

■ 6.3862, 0.2094,
0.0927

■ 92.2746, 0.3370,
0.3984

■ 93.7691, 0.3428,
0.3971

Harmonies

Analogous

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



27.8148, 0.2439, 0.2413



27.8148, 0.2896, 0.2499



27.8148, 0.3461, 0.2754

Triad

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



27.8148, 0.2896, 0.2499



27.8148, 0.4155, 0.3974



27.8148, 0.2337, 0.3379

Complementary

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



27.8148, 0.2896, 0.2499



44.9063, 0.3303, 0.4092

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.



27.8148, 0.2746, 0.3930



27.8148, 0.2896, 0.2499



27.8148, 0.3799, 0.4257

Square

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



27.8148, 0.2896, 0.2499



27.8148, 0.4226, 0.3562



27.8148, 0.3280, 0.4267



27.8148, 0.2140, 0.2861

Rectangle

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



27.8148, 0.2896, 0.2499



27.8148, 0.3817, 0.2995



27.8148, 0.3280, 0.4267



27.8148, 0.2452, 0.3571

Sweetspot

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



27.8160, 0.2896, 0.2499



76.8224, 0.3067, 0.3064



33.0367, 0.2654, 0.2843



16.0623, 0.3057, 0.3026



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.8160, 0.2896, 0.2499



43.4090, 0.2829, 0.2302



30.7452, 0.3180, 0.2582



9.4704, 0.3066, 0.3059



4.3919, 0.2107, 0.0934



0.2106, 0.2363, 0.1075

Inverse Universe

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



29.6618, 0.3480, 0.2936



47.4364, 0.3591, 0.2852



42.5954, 0.3074, 0.4118



9.6080, 0.3218, 0.3184



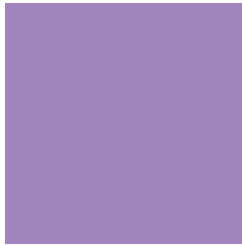
7.7649, 0.5085, 0.2575



0.3174, 0.4522, 0.2265

Previews

White Background



This preview shows how the Yxy color 27.8148, 0.2896, 0.2499 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 27.8148, 0.2896, 0.2499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

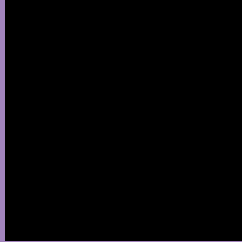
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8148, 0.2896, 0.2499

Background



This preview shows how black text looks on a background with the Yxy color 27.8148, 0.2896, 0.2499.



This preview shows how white text looks on a background with the Yxy color 27.8148, 0.2896, 0.2499.

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

27.8148, 0.2896, 0.2499

Protanopia

27.9987, 0.2543, 0.2482

Deuteranopia

27.8292, 0.2675, 0.2608



Tritanopia

27.7352, 0.3200, 0.3120

Trichromacy



Original Color

27.8148, 0.2896, 0.2499

Protanomaly

27.6899, 0.2661, 0.2481

Deuteranomaly

27.7846, 0.2745, 0.2565

Tritanomaly

27.5578, 0.3082, 0.2869

Monochromacy



Original Color

27.8148, 0.2896, 0.2499

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.6300, 0.3037, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8148, 0.2896, 0.2499 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(162, 132, 188)` looks like.

```
.text, #text, p{  
    color:rgb(162, 132, 188)  
}
```

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(162, 132, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 132, 188) }
```

Border

The CSS property to change the border of an element to Yxy 27.8148, 0.2896, 0.2499 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(162, 132, 188) }
```

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

```
.border{ border-color:rgb(162, 132, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 132, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 132, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 132, 188);  
box-shadow:4px 4px 4px 4px rgb(162, 132,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8148, 0.2896, 0.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 132, 188) }
```

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

```
.background{ background-color: rgb(162,  
132, 188) }
```

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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