

Converting Colors

$Y_{xy}(28.5897, 0.2979, 0.2344)$

Have a look what the booklet for
Yxy(28.5897, 0.2979, 0.2344)
contains.

Yxy(28.5826, 0.2974, 0.2346)	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(28.5826, 0.2974, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	B37EC6
RGB	179, 126, 198
RGB Percent	70%, 49%, 78%
CMY	0.2982, 0.5058, 0.2236
CMYK	0.10, 0.36, 0.00, 0.22
HSL	284°, 39%, 64%
HSV	284°, 36%, 78%
XYZ	36.2339, 28.5826, 57.0190
YIQ	150.0550, 8.4760, 33.6280

Conversions

Conversions Part 2

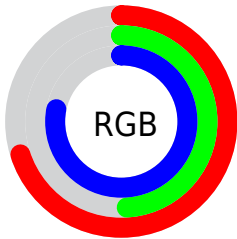
Format	Color
R_{YB}	179, 126, 198
Decimal	11763398
CIE _{Lab}	60.41, 33.19, -29.46
CIE _{LCh}	60, 44.377, 318.401
Yxy	28.5826, 0.2974, 0.2346
Android (android.graphics.Color)	4289953478 (0xFFB37EC6)
YUV	150.0550, 23.6369, 25.3848
Hunter-Lab	53.4627, 27.4171, -25.8100

Details

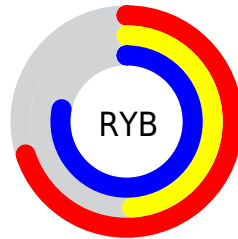
The Yxy color **28.5826, 0.2974, 0.2346** is a light color, and the websafe version is hex **996699**. A complement of this color would be **47.9094, 0.3221, 0.4329**, and the grayscale version is **30.4191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2931, 0.3015, 0.2512**, and **11.5425, 0.2903, 0.2084** is the 20% darker color. If you saturate the color by 10%, you get **23.3987, 0.2916, 0.2082**, and if you desaturate by 10%, it is **34.7946, 0.3025, 0.2615**.

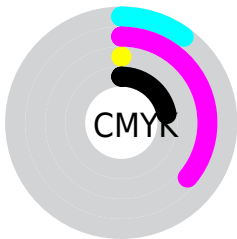
Distribution



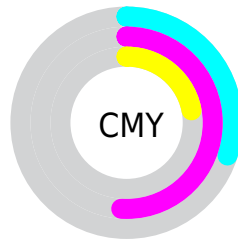
- Red (70%)
- Green (49%)
- Blue (78%)



- Red (70%)
- Yellow (49%)
- Blue (78%)



- Cyan (10%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)





- Cyan (30%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5826, 0.2974, 0.2346 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 28.5826, 0.2974, 0.2346 by changing the saturation by 10% instead.

 28.5826, 0.2974,
0.2346


 28.5826, 0.2974,
0.2346


295.2404, 0.3068,
0.2818

 18.7653, 0.2945,
0.2230


 57.4133, 0.3012,
0.2517

 11.5008, 0.2904,
0.2082


 77.1954, 0.3025,
0.2581

 6.4047, 0.2845,
0.1889


 101.0679, 0.3036,
0.2636

 3.0927, 0.2751,
0.1628

129.4153, 0.3045,
0.2683

 1.1803, 0.2588,
0.1264

162.6218, 0.3052,
0.2723

 0.0456, 0.2424,
0.0129

201.0719, 0.3058,

 0.0000, 0.0000,

0.2759

0.0000

245.1500, 0.3063,
0.2790

■ 28.5826, 0.2974,
0.2346

■ 28.5826, 0.2974,
0.2346

■ 23.3987, 0.2916,
0.2082

■ 34.7946, 0.3025,
0.2615

■ 19.1795, 0.2851,
0.1835

■ 42.0857, 0.3070,
0.2880

■ 15.8604, 0.2783,
0.1615


■ 50.5081, 0.3107,
0.3136


■ 13.3670, 0.2711,
0.1432


■ 60.1092, 0.3138,
0.3376


■ 11.6129, 0.2640,
0.1295

■ 70.9340, 0.3163,
0.3599

 10.4870, 0.2570,
0.1203

 83.0248, 0.3183,
0.3804

 10.1533, 0.2545,
0.1176

 90.1337, 0.3207,
0.3899

 90.9418, 0.3241,
0.3892

 91.7756, 0.3275,
0.3886

Harmonies

Analogous

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



28.5826, 0.2352, 0.2184



28.5826, 0.2974, 0.2346



28.5826, 0.3722, 0.2700

Triad

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



28.5826, 0.2974, 0.2346



28.5826, 0.4369, 0.4242



28.5826, 0.2031, 0.3221

Complementary

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



28.5826, 0.2974, 0.2346



47.9094, 0.3221, 0.4329

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.



28.5826, 0.2483, 0.3994



28.5826, 0.2974, 0.2346



28.5826, 0.3832, 0.4593

Square

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



28.5826, 0.2974, 0.2346



28.5826, 0.4578, 0.3725



28.5826, 0.3141, 0.4544



28.5826, 0.1862, 0.2595

Rectangle

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



28.5826, 0.2974, 0.2346



28.5826, 0.4168, 0.3013



28.5826, 0.3141, 0.4544



28.5826, 0.2151, 0.3477

Sweetspot

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



28.5838, 0.2974, 0.2346



82.0112, 0.3090, 0.3014



28.8310, 0.2513, 0.2502



17.1175, 0.3085, 0.2979



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.



28.5838, 0.2974, 0.2346



42.8661, 0.2926, 0.2126



30.2761, 0.3343, 0.2588



10.6701, 0.3096, 0.3059



6.6481, 0.2554, 0.1181



0.3486, 0.2697, 0.1259

Inverse Universe

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



28.9781, 0.3761, 0.3039



43.8414, 0.3981, 0.2982



46.7932, 0.2968, 0.4115



10.6822, 0.3249, 0.3229



7.9832, 0.5862, 0.3003



0.3904, 0.5248, 0.2664

Previews

White Background



This preview shows how the Yxy color 28.5826, 0.2974, 0.2346 looks on a white background.

Color Contrast Check

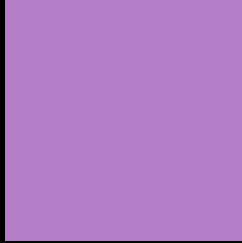
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5826, 0.2974, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

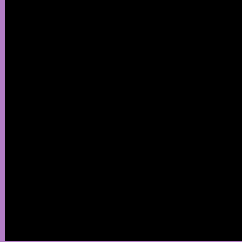
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5826, 0.2974, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 28.5826, 0.2974, 0.2346.



This preview shows how white text looks on a background with the Yxy color 28.5826, 0.2974, 0.2346.

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

28.5826, 0.2974, 0.2346

Protanopia

28.9851, 0.2405, 0.2311

Deuteranopia

28.8732, 0.2587, 0.2532



Tritanopia

28.6558, 0.3401, 0.3143

Trichromacy



Original Color

28.5826, 0.2974, 0.2346

Protanomaly

28.3256, 0.2581, 0.2305

Deuteranomaly

28.3609, 0.2717, 0.2447

Tritanomaly

28.5269, 0.3237, 0.2821

Monochromacy



Original Color

28.5826, 0.2974, 0.2346

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.4168, 0.3083, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5826, 0.2974, 0.2346 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(179, 126, 198)` looks like.

```
.text, #text, p{  
    color:rgb(179, 126, 198)  
}
```

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(179, 126, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 126, 198) }
```

Border

The CSS property to change the border of an element to Yxy 28.5826, 0.2974, 0.2346 is called "border". The border property can be set on classes, ids or directly on the HTML element.

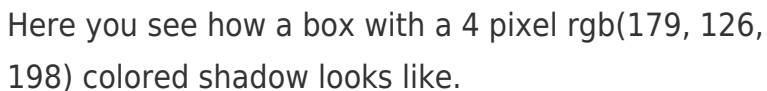
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 126, 198) }
```

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

```
.border{ border-color:rgb(179, 126, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 126, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 126, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 126, 198); box-shadow:4px 4px 4px 4px rgb(179, 126, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5826, 0.2974, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 126, 198) }
```

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

```
.background{ background-color: rgb(179,  
126, 198) }
```

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