

Converting Colors

$Y_{xy}(26.7652, 0.3290, 0.2491)$

Have a look what the booklet for
Yxy(26.7652, 0.3290, 0.2491)
contains.

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Color

Yxy(26.7557, 0.3290, 0.2488)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BD75B2 |
| RGB | 189, 117, 178 |
| RGB Percent | 74%, 46%, 70% |
| CMY | 0.2588, 0.5411, 0.3021 |
| CMYK | 0.00, 0.38, 0.06, 0.26 |
| HSL | 309°, 35%, 60% |
| HSV | 309°, 38%, 74% |
| XYZ | 35.3803, 26.7557, 45.4030 |
| YIQ | 145.4820, 23.3310, 34.2350 |

Conversions

Conversions Part 2

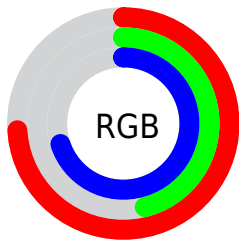
| Format | Color |
|-------------------------------------|--|
| RYB | 189, 117, 178 |
| Decimal | 12416434 |
| CIELab | 58.75, 37.49, -20.54 |
| CIELCh | 59, 42.748, 331.277 |
| Yxy | 26.7557, 0.3290, 0.2488 |
| Android (android.graphics.Color) | 4290606514 (0xFFBD75B2) |
| YUV | 145.4820, 16.0314, 38.1653 |
| Hunter-Lab | 51.7259, 31.5730, -15.8343 |

Details

The Yxy color **26.7557, 0.3290, 0.2488** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.7364, 0.3000, 0.4254**, and the grayscale version is **28.4487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2828, 0.3259, 0.2631**, and **10.4454, 0.3327, 0.2245** is the 20% darker color. If you saturate the color by 10%, you get **22.6729, 0.3344, 0.2290**, and if you desaturate by 10%, it is **31.7325, 0.3240, 0.2698**.

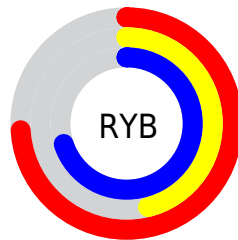
Distribution



Red (74%)

Green (46%)

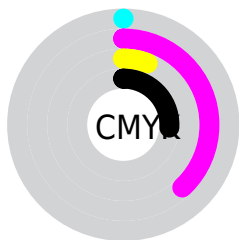
Blue (70%)



Red (74%)

Yellow (46%)

Blue (70%)

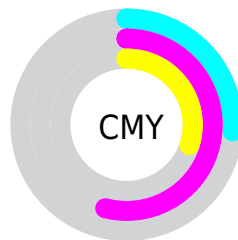


Cyan (0%)

Magenta (38%)

Yellow (6%)

Black (26%)



Cyan (26%)

Magenta (54%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7557, 0.3290, 0.2488 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 26.7557, 0.3290, 0.2488 by changing the saturation by 10% instead.


 26.7557, 0.3290,
0.2488


 26.7557, 0.3290,
0.2488


286.4723, 0.3213,
0.2897


 17.3898, 0.3307,
0.2384


 54.4916, 0.3263,
0.2638

 10.5128, 0.3328,
0.2250


 73.6304, 0.3253,
0.2694

 5.7403, 0.3353,
0.2070


 96.7957, 0.3244,
0.2741

 2.6878, 0.3381,
0.1820

124.3718, 0.3236,
0.2782

 0.9710, 0.3407,
0.1452

156.7431, 0.3229,
0.2816

 0.0000, 0.3720,
0.0000

194.2940, 0.3223,

 0.0000, 0.0000,

0.2847

0.0000

237.4090, 0.3218,
0.2873

■ 26.7557, 0.3290,
0.2488

■ 26.7557, 0.3290,
0.2488

■ 22.6729, 0.3344,
0.2290

■ 31.7325, 0.3240,
0.2698

■ 19.4266, 0.3401,
0.2114

■ 37.6490, 0.3195,
0.2913

■ 16.9583, 0.3460,
0.1969


■ 44.5521, 0.3156,
0.3124

■ 15.2005, 0.3519,
0.1863


■ 52.4845, 0.3121,
0.3328

■ 14.0742, 0.3575,
0.1801


■ 61.4866, 0.3091,
0.3521


 13.4560, 0.3629,
0.1781

 71.5962, 0.3065,
0.3702

 13.3582, 0.3639,
0.1779

 82.8497, 0.3044,
0.3869

 86.5618, 0.3027,
0.3893

 86.6995, 0.3011,
0.3859

Harmonies

Analogous

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



26.7557, 0.2601, 0.2241



26.7557, 0.3290, 0.2488



26.7557, 0.4008, 0.2902

Triad

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



26.7557, 0.3290, 0.2488



26.7557, 0.4155, 0.4411



26.7557, 0.1939, 0.2927

Complementary

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



26.7557, 0.3290, 0.2488



41.7364, 0.3000, 0.4254

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.



26.7557, 0.2269, 0.3659



26.7557, 0.3290, 0.2488



26.7557, 0.3539, 0.4613

Square

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



26.7557, 0.3290, 0.2488



26.7557, 0.4518, 0.3949



26.7557, 0.2848, 0.4343



26.7557, 0.1892, 0.2426

Rectangle

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



26.7557, 0.3290, 0.2488



26.7557, 0.4364, 0.3237



26.7557, 0.2848, 0.4343



26.7557, 0.2017, 0.3154

Sweetspot

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



26.7569, 0.3290, 0.2488



75.7844, 0.3167, 0.3060



20.9737, 0.2536, 0.2178



15.9309, 0.3173, 0.3031



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.



26.7569, 0.3290, 0.2488



41.5076, 0.3337, 0.2316



25.5030, 0.3722, 0.2943



9.6705, 0.3160, 0.3098



8.9971, 0.3633, 0.1775



0.3593, 0.3516, 0.1711

Inverse Universe

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



26.7569, 0.3290, 0.2488



41.5076, 0.3337, 0.2316



42.8501, 0.2761, 0.3673



9.6705, 0.3160, 0.3098



8.9971, 0.3633, 0.1775



0.3593, 0.3516, 0.1711

Previews

White Background



This preview shows how the Yxy color 26.7557, 0.3290, 0.2488 looks on a white background.

Color Contrast Check

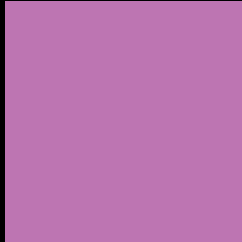
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7557, 0.3290, 0.2488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

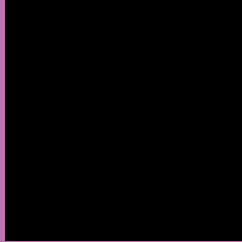
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7557, 0.3290, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 26.7557, 0.3290, 0.2488.



This preview shows how white text looks on a background with the Yxy color 26.7557, 0.3290, 0.2488.

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

26.7557, 0.3290, 0.2488

Protanopia

27.0563, 0.2514, 0.2457

Deuteranopia

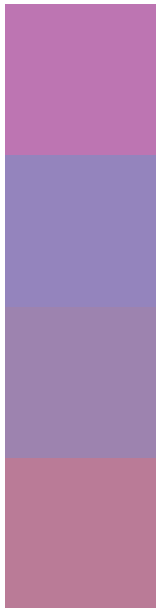
27.0102, 0.2799, 0.2747



Tritanopia

26.8613, 0.3722, 0.3164

Trichromacy



Original Color

26.7557, 0.3290, 0.2488

Protanomaly

26.4726, 0.2750, 0.2455

Deuteranomaly

26.4958, 0.2965, 0.2640

Tritanomaly

26.8394, 0.3559, 0.2902

Monochromacy



Original Color

26.7557, 0.3290, 0.2488

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.3393, 0.3187, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7557, 0.3290, 0.2488 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(189, 117, 178)` looks like.

```
.text, #text, p{  
    color:rgb(189, 117, 178)  
}
```

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(189, 117, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 117, 178) }
```

Border

The CSS property to change the border of an element to Yxy 26.7557, 0.3290, 0.2488 is called "border". The border property can be set on classes, ids or directly on the HTML element.

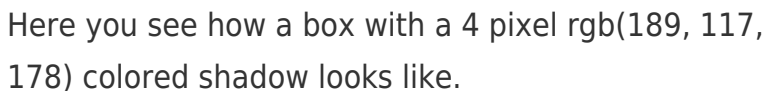
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 117, 178) }
```

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

```
.border{ border-color:rgb(189, 117, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 117, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 117, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 117, 178);  
box-shadow:4px 4px 4px 4px rgb(189, 117,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7557, 0.3290, 0.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 117, 178) }
```

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

```
.background{ background-color: rgb(189,  
117, 178) }
```

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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