

Converting Colors

$Y_{xy}(27.1609, 0.3188, 0.2387)$

Have a look what the booklet for
Yxy(27.1609, 0.3188, 0.2387)
contains.

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Color

Yxy(27.1293, 0.3192, 0.2384)

Conversions

Conversions Part 1

Format	Color
Hex	BD75BB
RGB	189, 117, 187
RGB Percent	74%, 46%, 73%
CMY	0.2587, 0.5412, 0.2666
CMYK	0.00, 0.38, 0.01, 0.26
HSL	302°, 35%, 60%
HSV	302°, 38%, 74%
XYZ	36.3241, 27.1293, 50.3440
YIQ	146.5080, 20.4420, 37.0340

Conversions

Conversions Part 2

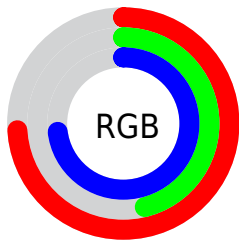
Format	Color
RYB	189, 117, 187
Decimal	12416443
CIELab	59.09, 39.17, -25.18
CIELCh	59, 46.562, 327.261
Yxy	27.1293, 0.3192, 0.2384
Android (android.graphics.Color)	4290606523 (0xFFBD75BB)
YUV	146.5080, 19.9626, 37.2655
Hunter-Lab	52.0858, 33.3340, -20.8472

Details

The Yxy color **27.1293, 0.3192, 0.2384** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.5217, 0.3060, 0.4401**, and the grayscale version is **28.8746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8133, 0.3187, 0.2548**, and **10.6860, 0.3182, 0.2114** is the 20% darker color. If you saturate the color by 10%, you get **23.1395, 0.3210, 0.2166**, and if you desaturate by 10%, it is **32.0110, 0.3174, 0.2618**.

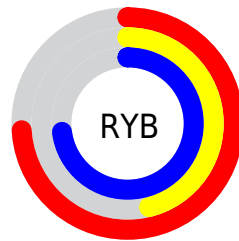
Distribution



Red (74%)

Green (46%)

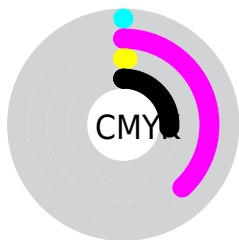
Blue (73%)



Red (74%)

Yellow (46%)

Blue (73%)

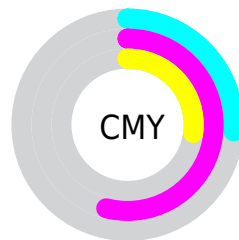


Cyan (0%)

Magenta (38%)

Yellow (1%)

Black (26%)



Cyan (26%)


Magenta (54%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1293, 0.3192, 0.2384 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 27.1293, 0.3192, 0.2384 by changing the saturation by 10% instead.


 27.1293, 0.3192,
0.2384


 27.1293, 0.3192,
0.2384


288.2826, 0.3171,
0.2841


 17.6704, 0.3193,
0.2270


 55.0913, 0.3187,
0.2550

 10.7136, 0.3192,
0.2124


 74.3631, 0.3184,
0.2613

 5.8746, 0.3186,
0.1932


 97.6747, 0.3182,
0.2665

 2.7690, 0.3167,
0.1670

125.4104, 0.3179,
0.2710

 1.0123, 0.3114,
0.1296

157.9547, 0.3177,
0.2750

 0.0000, 0.3203,
0.0000

195.6919, 0.3175,

 0.0000, 0.0000,

0.2784

0.0000

239.0064, 0.3173,
0.2814

■ 27.1293, 0.3192,
0.2384

■ 27.1293, 0.3192,
0.2384

■ 23.1395, 0.3210,
0.2166

■ 32.0110, 0.3174,
0.2618

■ 19.9840, 0.3227,
0.1974

■ 37.8302, 0.3157,
0.2859

■ 17.6044, 0.3243,
0.1817


■ 44.6340, 0.3140,
0.3100


■ 15.9332, 0.3257,
0.1699

■ 52.4651, 0.3124,
0.3333


■ 14.8910, 0.3269,
0.1624


■ 61.3636, 0.3110,
0.3556


 14.3543, 0.3279,
0.1586

 71.3678, 0.3097,
0.3764

 14.2727, 0.3280,
0.1581

 82.5136, 0.3086,
0.3957

 86.1154, 0.3080,
0.4008

 86.1388, 0.3077,
0.4002

Harmonies

Analogous

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



27.1293, 0.2473, 0.2149



27.1293, 0.3192, 0.2384



27.1293, 0.3985, 0.2803

Triad

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



27.1293, 0.3192, 0.2384



27.1293, 0.4299, 0.4431



27.1293, 0.1882, 0.2984

Complementary

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



27.1293, 0.3192, 0.2384



41.5217, 0.3060, 0.4401

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.



27.1293, 0.2269, 0.3802



27.1293, 0.3192, 0.2384



27.1293, 0.3658, 0.4722

Square

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



27.1293, 0.3192, 0.2384



27.1293, 0.4649, 0.3907



27.1293, 0.2915, 0.4516



27.1293, 0.1796, 0.2409

Rectangle

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



27.1293, 0.3192, 0.2384



27.1293, 0.4405, 0.3150



27.1293, 0.2915, 0.4516



27.1293, 0.1977, 0.3240

Sweetspot

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



27.1305, 0.3192, 0.2384



75.9874, 0.3145, 0.3026



20.2592, 0.2447, 0.2152



15.9798, 0.3147, 0.2994



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.



27.1305, 0.3192, 0.2384



42.3209, 0.3207, 0.2195



25.8027, 0.3600, 0.2815



9.6915, 0.3142, 0.3070



9.6015, 0.3279, 0.1580



0.3776, 0.3261, 0.1570

Inverse Universe

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



27.1305, 0.3192, 0.2384



42.3209, 0.3207, 0.2195



42.5299, 0.2824, 0.3827



9.6915, 0.3142, 0.3070



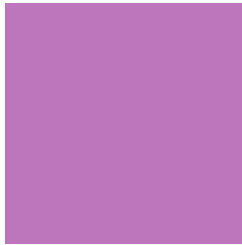
9.6015, 0.3279, 0.1580



0.3776, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 27.1293, 0.3192, 0.2384 looks on a white background.

Color Contrast Check

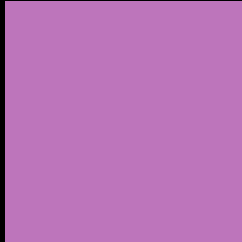
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1293, 0.3192, 0.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

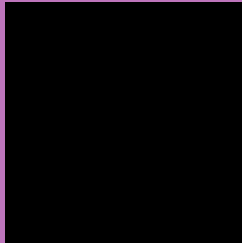
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1293, 0.3192, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 27.1293, 0.3192, 0.2384.



This preview shows how white text looks on a background with the Yxy color 27.1293, 0.3192, 0.2384.

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

27.1293, 0.3192, 0.2384

Protanopia

27.3015, 0.2424, 0.2328

Deuteranopia

27.3260, 0.2688, 0.2631



Tritanopia

27.0522, 0.3682, 0.3149

Trichromacy



Original Color

27.1293, 0.3192, 0.2384



Protanomaly

26.6907, 0.2658, 0.2342



Deuteranomaly

26.9318, 0.2862, 0.2534



Tritanomaly

26.8468, 0.3500, 0.2847

Monochromacy



Original Color

27.1293, 0.3192, 0.2384



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.8983, 0.3145, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1293, 0.3192, 0.2384 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(189, 117, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 117, 187) }
```

Border

The CSS property to change the border of an element to Yxy 27.1293, 0.3192, 0.2384 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, 187) }
```

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

```
.border{ border-color:rgb(189, 117, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 117, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 117, 187);  
box-shadow:4px 4px 4px 4px rgb(189, 117,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1293, 0.3192, 0.2384 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, 187) }
```

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

```
.background{ background-color: rgb(189,  
117, 187) }
```

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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