

Converting Colors

$Y_{xy}(27.4264, 0.3233, 0.2508)$

Have a look what the booklet for
Yxy(27.4264, 0.3233, 0.2508)
contains.

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Color

Yxy(27.4091, 0.3231, 0.2507)

Conversions

Conversions Part 1

Format	Color
Hex	BA79B4
RGB	186, 121, 180
RGB Percent	73%, 47%, 71%
CMY	0.2706, 0.5255, 0.2942
CMYK	0.00, 0.35, 0.03, 0.27
HSL	306°, 32%, 60%
HSV	306°, 35%, 73%
XYZ	35.3246, 27.4091, 46.5966
YIQ	147.1610, 19.8010, 32.1290

Conversions

Conversions Part 2

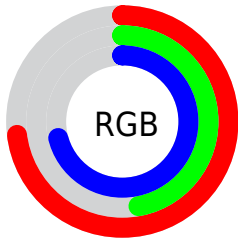
Format	Color
R _Y B	186, 121, 180
Decimal	12220852
CIE _{Lab}	59.35, 34.70, -20.80
CIE _{LCh}	59, 40.455, 329.058
Y _{xy}	27.4091, 0.3231, 0.2507
Android (android.graphics.Color)	4290410932 (0xFFBA79B4)
YUV	147.1610, 16.1896, 34.0618
Hunter-Lab	52.3537, 28.8203, -16.1225

Details

The Yxy color $27.4091, 0.3231, 0.2507$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $40.7195, 0.3037, 0.4224$, and the grayscale version is $29.1738, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.3829, 0.3215, 0.2648$, and $10.9443, 0.3256, 0.2284$ is the 20% darker color. If you saturate the color by 10%, you get $23.2469, 0.3266, 0.2294$, and if you desaturate by 10%, it is $32.4463, 0.3198, 0.2731$.

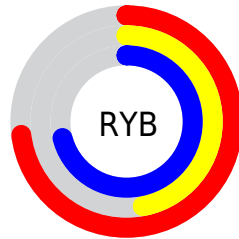
Distribution



Red (73%)

Green (47%)

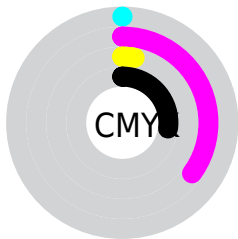
Blue (71%)



Red (73%)

Yellow (47%)

Blue (71%)

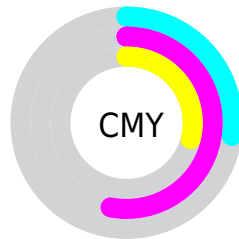


Cyan (0%)

Magenta (35%)

Yellow (3%)

Black (27%)



Cyan (27%)


Magenta (53%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4091, 0.3231, 0.2507 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 27.4091, 0.3231, 0.2507 by changing the saturation by 10% instead.

 27.4091, 0.3231,
0.2507


 27.4091, 0.3231,
0.2507


289.6325, 0.3185,
0.2906


 17.8807, 0.3240,
0.2406


 55.5396, 0.3216,
0.2653

 10.8644, 0.3250,
0.2275


 74.9106, 0.3210,
0.2708

 5.9757, 0.3259,
0.2100


 98.3312, 0.3205,
0.2754

 2.8303, 0.3265,
0.1857

126.1858, 0.3200,
0.2793

 1.0438, 0.3257,
0.1498

158.8588, 0.3196,
0.2827

 0.0000, 0.3514,
0.0000

196.7347, 0.3192,

 0.0000, 0.0000,

0.2857

0.0000

240.1978, 0.3189,
0.2883

■ 27.4091, 0.3231,
0.2507

■ 27.4091, 0.3231,
0.2507

■ 23.2469, 0.3266,
0.2294

■ 32.4463, 0.3198,
0.2731

■ 19.9057, 0.3303,
0.2101

■ 38.4010, 0.3167,
0.2959

■ 17.3313, 0.3340,
0.1938


■ 45.3174, 0.3140,
0.3182

■ 15.4615, 0.3376,
0.1813

■ 53.2359, 0.3115,
0.3397

■ 14.2243, 0.3411,
0.1729

■ 62.1945, 0.3094,
0.3600


 13.5323, 0.3442,
0.1689

 72.2291, 0.3075,
0.3790

 13.2954, 0.3457,
0.1678

 83.3739, 0.3059,
0.3964

 85.8453, 0.3049,
0.3982

 85.9232, 0.3039,
0.3962

Harmonies

Analogous

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



27.4091, 0.2591, 0.2285



27.4091, 0.3231, 0.2507



27.4091, 0.3910, 0.2892

Triad

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



27.4091, 0.3231, 0.2507



27.4091, 0.4136, 0.4325



27.4091, 0.2017, 0.2999

Complementary

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



27.4091, 0.3231, 0.2507



40.7195, 0.3037, 0.4224

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.



27.4091, 0.2353, 0.3690



27.4091, 0.3231, 0.2507



27.4091, 0.3570, 0.4529

Square

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



27.4091, 0.3231, 0.2507



27.4091, 0.4449, 0.3885



27.4091, 0.2916, 0.4306



27.4091, 0.1951, 0.2504

Rectangle

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



27.4091, 0.3231, 0.2507



27.4091, 0.4259, 0.3209



27.4091, 0.2916, 0.4306



27.4091, 0.2100, 0.3217

Sweetspot

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



27.4103, 0.3231, 0.2507



75.3687, 0.3154, 0.3066



21.6891, 0.2554, 0.2273



16.2127, 0.3158, 0.3035



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.



27.4103, 0.3231, 0.2507



43.6981, 0.3258, 0.2340



26.2569, 0.3600, 0.2914



9.1480, 0.3151, 0.3085



8.9498, 0.3454, 0.1676



0.3197, 0.3383, 0.1638

Inverse Universe

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



27.4103, 0.3231, 0.2507



43.6981, 0.3258, 0.2340



41.6869, 0.2817, 0.3705



9.1480, 0.3151, 0.3085



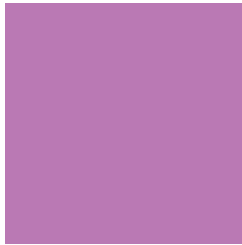
8.9498, 0.3454, 0.1676



0.3197, 0.3383, 0.1638

Previews

White Background



This preview shows how the Yxy color 27.4091, 0.3231, 0.2507 looks on a white background.

Color Contrast Check

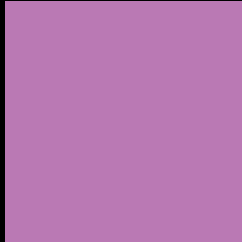
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4091, 0.3231, 0.2507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

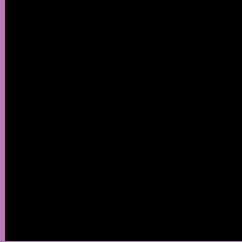
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4091, 0.3231, 0.2507

Background



This preview shows how black text looks on a background with the Yxy color 27.4091, 0.3231, 0.2507.



This preview shows how white text looks on a background with the Yxy color 27.4091, 0.3231, 0.2507.

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

27.4091, 0.3231, 0.2507

Protanopia

27.5791, 0.2540, 0.2477

Deuteranopia

27.4662, 0.2792, 0.2736



Tritanopia

27.3884, 0.3628, 0.3148

Trichromacy



Original Color

27.4091, 0.3231, 0.2507

Protanomaly

27.1575, 0.2753, 0.2475

Deuteranomaly

27.1175, 0.2947, 0.2644

Tritanomaly

27.3221, 0.3482, 0.2899

Monochromacy



Original Color

27.4091, 0.3231, 0.2507

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.2572, 0.3163, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4091, 0.3231, 0.2507 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(186, 121, 180)` looks like.

```
.text, #text, p{  
    color:rgb(186, 121, 180)  
}
```

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(186, 121, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 121, 180) }
```

Border

The CSS property to change the border of an element to Yxy 27.4091, 0.3231, 0.2507 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(186, 121, 180) }
```

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

```
.border{ border-color:rgb(186, 121, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 121, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 121, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 121, 180);  
box-shadow:4px 4px 4px 4px rgb(186, 121,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4091, 0.3231, 0.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 121, 180) }
```

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

```
.background{ background-color: rgb(186,  
121, 180) }
```

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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