

Converting Colors

$Y_{xy}(27.0949, 0.3298, 0.2557)$

Have a look what the booklet for
Yxy(27.0949, 0.3298, 0.2557)
contains.

Yxy(27.0929, 0.3297, 0.2556)	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(27.0929, 0.3297, 0.2556)

Conversions

Conversions Part 1

Format	Color
Hex	BB78AF
RGB	187, 120, 175
RGB Percent	73%, 47%, 69%
CMY	0.2667, 0.5294, 0.3136
CMYK	0.00, 0.36, 0.06, 0.27
HSL	311°, 33%, 60%
HSV	311°, 36%, 73%
XYZ	34.9473, 27.0929, 43.9571
YIQ	146.3030, 22.2770, 31.3090

Conversions

Conversions Part 2

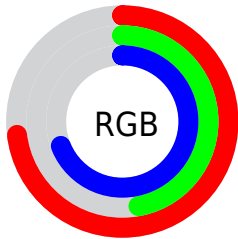
Format	Color
RYB	187, 120, 175
Decimal	12286127
CIELab	59.06, 34.67, -18.40
CIELCh	59, 39.248, 332.041
Yxy	27.0929, 0.3297, 0.2556
Android (android.graphics.Color)	4290476207 (0xFFBB78AF)
YUV	146.3030, 14.1476, 35.6913
Hunter-Lab	52.0508, 28.7572, -13.6350

Details

The Yxy color **27.0929, 0.3297, 0.2556** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.1942, 0.2995, 0.4158**, and the grayscale version is **28.8103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8898, 0.3264, 0.2687**, and **10.7720, 0.3355, 0.2350** is the 20% darker color. If you saturate the color by 10%, you get **22.8971, 0.3358, 0.2359**, and if you desaturate by 10%, it is **32.1726, 0.3242, 0.2763**.

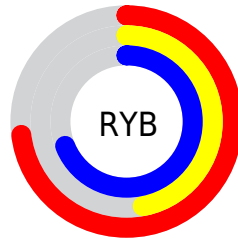
Distribution



Red (73%)

Green (47%)

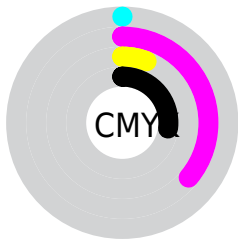
Blue (69%)



Red (73%)

Yellow (47%)

Blue (69%)

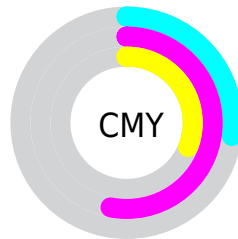


Cyan (0%)

Magenta (36%)

Yellow (6%)

Black (27%)



Cyan (27%)


Magenta (53%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0929, 0.3297, 0.2556 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 27.0929, 0.3297, 0.2556 by changing the saturation by 10% instead.


 27.0929, 0.3297,
0.2556


 27.0929, 0.3297,
0.2556


288.1066, 0.3215,
0.2932


 17.6430, 0.3316,
0.2460


 55.0329, 0.3268,
0.2695

 10.6940, 0.3340,
0.2335


 74.2918, 0.3257,
0.2746

 5.8615, 0.3370,
0.2166


 97.5892, 0.3247,
0.2790

 2.7610, 0.3408,
0.1930

125.3094, 0.3239,
0.2826

 1.0083, 0.3451,
0.1575

157.8368, 0.3232,
0.2858

 0.0000, 0.3860,
0.0000

195.5559, 0.3225,

 0.0000, 0.0000,

0.2886

0.0000

238.8511, 0.3220,
0.2911

■ 27.0929, 0.3297,
0.2556

■ 27.0929, 0.3297,
0.2556

■ 22.8971, 0.3358,
0.2359

■ 32.1726, 0.3242,
0.2763

■ 19.5303, 0.3423,
0.2181

■ 38.1797, 0.3193,
0.2971

■ 16.9368, 0.3491,
0.2031


■ 45.1593, 0.3150,
0.3175


■ 15.0530, 0.3560,
0.1919

■ 53.1525, 0.3112,
0.3371

■ 13.8048, 0.3628,
0.1850


■ 62.1979, 0.3080,
0.3555

 13.0990, 0.3693,
0.1826

 72.3323, 0.3053,
0.3727

 12.8827, 0.3720,
0.1823

 83.5904, 0.3030,
0.3885

 86.3353, 0.3012,
0.3888

 86.4950, 0.2994,
0.3849

Harmonies

Analogous

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



27.0929, 0.2660, 0.2321



27.0929, 0.3297, 0.2556



27.0929, 0.3948, 0.2947

Triad

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



27.0929, 0.3297, 0.2556



27.0929, 0.4067, 0.4335



27.0929, 0.2025, 0.2950

Complementary

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



27.0929, 0.3297, 0.2556



41.1942, 0.2995, 0.4158

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.



27.0929, 0.2329, 0.3611



27.0929, 0.3297, 0.2556



27.0929, 0.3499, 0.4494

Square

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



27.0929, 0.3297, 0.2556



27.0929, 0.4401, 0.3923



27.0929, 0.2862, 0.4230



27.0929, 0.1985, 0.2490

Rectangle

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



27.0929, 0.3297, 0.2556



27.0929, 0.4267, 0.3261



27.0929, 0.2862, 0.4230



27.0929, 0.2097, 0.3156

Sweetspot

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



27.0941, 0.3297, 0.2556



73.9729, 0.3172, 0.3066



21.8611, 0.2589, 0.2257



15.9211, 0.3178, 0.3039



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.



27.0941, 0.3297, 0.2556



42.4847, 0.3344, 0.2400



25.9611, 0.3686, 0.2980



9.6662, 0.3164, 0.3104



8.8872, 0.3713, 0.1819



0.3559, 0.3572, 0.1742

Inverse Universe

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



27.0941, 0.3297, 0.2556



42.4847, 0.3344, 0.2400



42.2333, 0.2773, 0.3628



9.6662, 0.3164, 0.3104



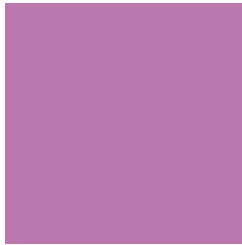
8.8872, 0.3713, 0.1819



0.3559, 0.3572, 0.1742

Previews

White Background



This preview shows how the Yxy color 27.0929, 0.3297, 0.2556 looks on a white background.

Color Contrast Check

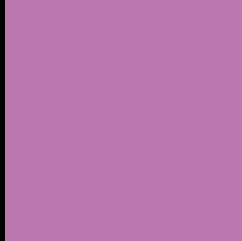
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0929, 0.3297, 0.2556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

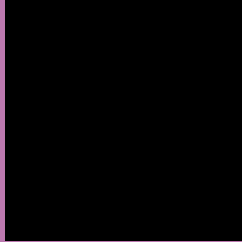
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0929, 0.3297, 0.2556

Background



This preview shows how black text looks on a background with the Yxy color 27.0929, 0.3297, 0.2556.



This preview shows how white text looks on a background with the Yxy color 27.0929, 0.3297, 0.2556.

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

27.0929, 0.3297, 0.2556

Protanopia

27.4346, 0.2584, 0.2544

Deuteranopia

27.1563, 0.2854, 0.2794



Tritanopia

26.9300, 0.3671, 0.3148

Trichromacy



Original Color

27.0929, 0.3297, 0.2556

Protanomaly

26.7619, 0.2804, 0.2525

Deuteranomaly

26.7502, 0.3005, 0.2697

Tritanomaly

26.8400, 0.3534, 0.2913

Monochromacy



Original Color

27.0929, 0.3297, 0.2556

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.9027, 0.3185, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0929, 0.3297, 0.2556 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(187, 120, 175)` looks like.

```
.text, #text, p{  
    color:rgb(187, 120, 175)  
}
```

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(187, 120, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 120, 175) }
```

Border

The CSS property to change the border of an element to Yxy 27.0929, 0.3297, 0.2556 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(187, 120, 175) }
```

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

```
.border{ border-color:rgb(187, 120, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 120, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 120, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 120, 175);  
box-shadow:4px 4px 4px 4px rgb(187, 120,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0929, 0.3297, 0.2556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 120, 175) }
```

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

```
.background{ background-color: rgb(187,  
120, 175) }
```

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