

Converting Colors

$Y_{xy}(27.1832, 0.3406, 0.2703)$

Have a look what the booklet for
Yxy(27.1832, 0.3406, 0.2703)
contains.

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Color

Yxy(27.2005, 0.3408, 0.2707)

Conversions

Conversions Part 1

Format	Color
Hex	BB7AA5
RGB	187, 122, 165
RGB Percent	73%, 48%, 65%
CMY	0.2667, 0.5215, 0.3530
CMYK	0.00, 0.35, 0.12, 0.27
HSL	320°, 32%, 61%
HSV	320°, 35%, 73%
XYZ	34.2443, 27.2005, 39.0373
YIQ	146.3370, 24.9370, 27.1530

Conversions

Conversions Part 2

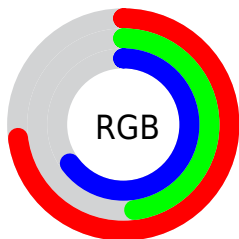
Format	Color
R _Y B	187, 122, 165
Decimal	12286629
CIE Lab	59.16, 31.82, -12.50
CIE LCh	59, 34.187, 338.560
Yxy	27.2005, 0.3408, 0.2707
Android (android.graphics.Color)	4290476709 (0xFFBB7AA5)
YUV	146.3370, 9.2009, 35.6615
Hunter-Lab	52.1541, 25.9331, -7.8706

Details

The Yxy color **27.2005, 0.3408, 0.2707** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.6943, 0.2927, 0.3958**, and the grayscale version is **28.8445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0603, 0.3353, 0.2816**, and **10.8135, 0.3506, 0.2532** is the 20% darker color. If you saturate the color by 10%, you get **22.8177, 0.3519, 0.2541**, and if you desaturate by 10%, it is **32.4808, 0.3311, 0.2879**.

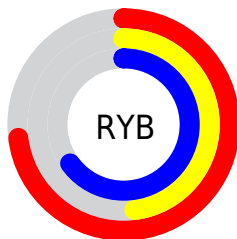
Distribution



Red (73%)

Green (48%)

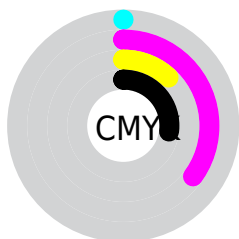
Blue (65%)



Red (73%)

Yellow (48%)

Blue (65%)

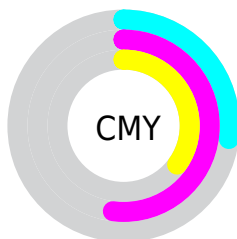


Cyan (0%)

Magenta (35%)

Yellow (12%)

Black (27%)



Cyan (27%)


Magenta (52%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2005, 0.3408, 0.2707 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 27.2005, 0.3408, 0.2707 by changing the saturation by 10% instead.


 27.2005, 0.3408,
0.2707


 27.2005, 0.3408,
0.2707


288.6266, 0.3262,
0.3010


 17.7239, 0.3446,
0.2628

 55.2054, 0.3354,
0.2820

 10.7519, 0.3497,
0.2524


 74.5025, 0.3334,
0.2861

 5.9003, 0.3565,
0.2382


 97.8419, 0.3317,
0.2896

 2.7845, 0.3665,
0.2177

125.6079, 0.3303,
0.2926

 1.0203, 0.3820,
0.1858

158.1850, 0.3290,
0.2951

 0.0000, 0.4713,
0.0000

195.9576, 0.3280,

 0.0000, 0.0000,

0.2973

0.0000

239.3100, 0.3270,
0.2993

■ 27.2005, 0.3408,
0.2707

■ 27.2005, 0.3408,
0.2707

■ 22.8177, 0.3519,
0.2541

■ 32.4808, 0.3311,
0.2879

■ 19.2777, 0.3644,
0.2389

■ 38.7018, 0.3228,
0.3049

■ 16.5254, 0.3780,
0.2261


■ 45.9085, 0.3157,
0.3214


■ 14.4979, 0.3925,
0.2170


■ 54.1417, 0.3097,
0.3371


■ 13.1222, 0.4073,
0.2123

■ 63.4401, 0.3047,
0.3517


 12.3101, 0.4219,
0.2126

 73.8402, 0.3006,
0.3653

 12.0121, 0.4296,
0.2140

 85.3769, 0.2971,
0.3778

 87.0254, 0.2938,
0.3726

 87.3587, 0.2904,
0.3654

Harmonies

Analogous

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



27.2005, 0.2833, 0.2462



27.2005, 0.3408, 0.2707



27.2005, 0.3944, 0.3081

Triad

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



27.2005, 0.3408, 0.2707



27.2005, 0.3863, 0.4263



27.2005, 0.2126, 0.2896

Complementary

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



27.2005, 0.3408, 0.2707



41.6943, 0.2927, 0.3958

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.



27.2005, 0.2351, 0.3442



27.2005, 0.3408, 0.2707



27.2005, 0.3341, 0.4311

Square

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



27.2005, 0.3408, 0.2707



27.2005, 0.4205, 0.3949



27.2005, 0.2788, 0.4000



27.2005, 0.2139, 0.2532

Rectangle

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



27.2005, 0.3408, 0.2707



27.2005, 0.4180, 0.3371



27.2005, 0.2788, 0.4000



27.2005, 0.2174, 0.3063

Sweetspot

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



27.2017, 0.3408, 0.2707



75.0204, 0.3194, 0.3126



23.4080, 0.2714, 0.2321



16.1257, 0.3204, 0.3103



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.



27.2017, 0.3408, 0.2707



42.3694, 0.3495, 0.2575



26.1745, 0.3800, 0.3140



9.6399, 0.3188, 0.3139



8.2900, 0.4279, 0.2131



0.3365, 0.3962, 0.1956

Inverse Universe

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



27.2017, 0.3408, 0.2707



42.3694, 0.3495, 0.2575



42.8215, 0.2711, 0.3450



9.6399, 0.3188, 0.3139



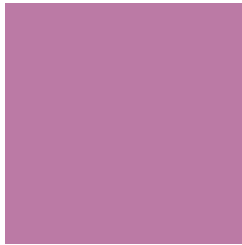
8.2900, 0.4279, 0.2131



0.3365, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 27.2005, 0.3408, 0.2707 looks on a white background.

Color Contrast Check

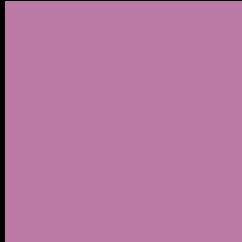
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2005, 0.3408, 0.2707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

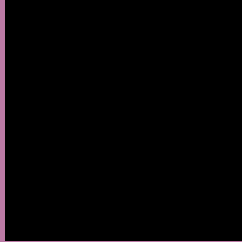
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2005, 0.3408, 0.2707

Background



This preview shows how black text looks on a background with the Yxy color 27.2005, 0.3408, 0.2707.



This preview shows how white text looks on a background with the Yxy color 27.2005, 0.3408, 0.2707.

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

27.2005, 0.3408, 0.2707

Protanopia

27.3324, 0.2721, 0.2715

Deuteranopia

27.3698, 0.2997, 0.2933



Tritanopia

27.1752, 0.3694, 0.3150

Trichromacy



Original Color

27.2005, 0.3408, 0.2707

Protanomaly

26.8396, 0.2943, 0.2705

Deuteranomaly

27.1008, 0.3137, 0.2844

Tritanomaly

27.0881, 0.3591, 0.2983

Monochromacy



Original Color

27.2005, 0.3408, 0.2707

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.7683, 0.3226, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2005, 0.3408, 0.2707 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, 122, 165)` looks like.

```
.text, #text, p{  
    color:rgb(187, 122, 165)  
}
```

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, 122, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 122, 165) }
```

Border

The CSS property to change the border of an element to Yxy 27.2005, 0.3408, 0.2707 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, 122, 165) }
```

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

```
.border{ border-color:rgb(187, 122, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 122, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 122, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 122, 165);  
box-shadow:4px 4px 4px 4px rgb(187, 122,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2005, 0.3408, 0.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 122, 165) }
```

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

```
.background{ background-color: rgb(187,  
122, 165) }
```

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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