

Converting Colors

$Y_{xy}(27.6866, 0.3182, 0.2538)$

Have a look what the booklet for
Yxy(27.6866, 0.3182, 0.2538)
contains.

Yxy(27.6557, 0.3185, 0.2535)	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(27.6557, 0.3185, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	B67CB4
RGB	182, 124, 180
RGB Percent	71%, 49%, 71%
CMY	0.2861, 0.5138, 0.2941
CMYK	0.00, 0.32, 0.01, 0.29
HSL	302°, 28%, 60%
HSV	302°, 32%, 71%
XYZ	34.7469, 27.6557, 46.6929
YIQ	147.7260, 16.5920, 29.7120

Conversions

Conversions Part 2

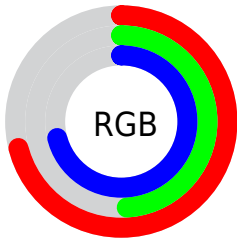
Format	Color
R _Y B	182, 124, 180
Decimal	11959476
CIE Lab	59.58, 31.76, -20.52
CIE LCh	60, 37.807, 327.135
Yxy	27.6557, 0.3185, 0.2535
Android (android.graphics.Color)	4290149556 (0xFFB67CB4)
YUV	147.7260, 15.9111, 30.0583
Hunter-Lab	52.5887, 25.9100, -15.8308

Details

The Yxy color **27.6557, 0.3185, 0.2535** is a light color, and the websafe version is hex **996699**. A complement of this color would be **39.2669, 0.3069, 0.4182**, and the grayscale version is **29.4228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8511, 0.3181, 0.2673**, and **11.0191, 0.3189, 0.2315** is the 20% darker color. If you saturate the color by 10%, you get **23.4825, 0.3205, 0.2308**, and if you desaturate by 10%, it is **32.6738, 0.3166, 0.2772**.

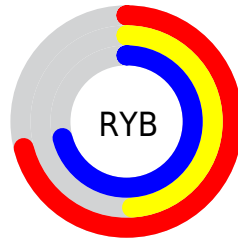
Distribution



Red (71%)

Green (49%)

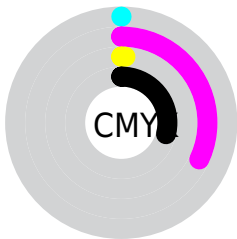
Blue (71%)



Red (71%)

Yellow (49%)

Blue (71%)

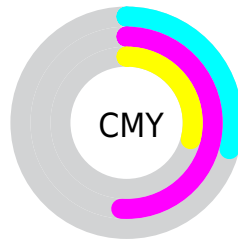


Cyan (0%)

Magenta (32%)

Yellow (1%)

Black (29%)



Cyan (29%)


Magenta (51%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6557, 0.3185, 0.2535 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 27.6557, 0.3185, 0.2535 by changing the saturation by 10% instead.


 27.6557, 0.3185,
0.2535


 27.6557, 0.3185,
0.2535


290.8180, 0.3163,
0.2921


 18.0663, 0.3188,
0.2437


 55.9343, 0.3179,
0.2677

 10.9976, 0.3189,
0.2310


 75.3922, 0.3176,
0.2729

 6.0652, 0.3188,
0.2140


 98.9085, 0.3174,
0.2774

 2.8848, 0.3179,
0.1901

126.8674, 0.3171,
0.2812

 1.0719, 0.3146,
0.1549

159.6535, 0.3169,
0.2845

 0.0000, 0.3355,
0.0000

197.6510, 0.3167,

 0.0000, 0.0000,

0.2873

0.0000

241.2444, 0.3165,
0.2898

■ 27.6557, 0.3185,
0.2535

■ 27.6557, 0.3185,
0.2535

■ 23.4825, 0.3205,
0.2308

■ 32.6738, 0.3166,
0.2772

■ 20.1039, 0.3224,
0.2100

■ 38.5759, 0.3147,
0.3012

■ 17.4705, 0.3243,
0.1921


■ 45.4032, 0.3130,
0.3246


■ 15.5253, 0.3261,
0.1778

■ 53.1933, 0.3115,
0.3471

■ 14.2034, 0.3276,
0.1676

■ 61.9816, 0.3100,
0.3683

 13.4275, 0.3289,
0.1616

 71.8016, 0.3088,
0.3880

 13.0724, 0.3299,
0.1591

 82.6856, 0.3076,
0.4061

 84.9793, 0.3072,
0.4089

 85.0064, 0.3068,
0.4082

Harmonies

Analogous

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



27.6557, 0.2593, 0.2337



27.6557, 0.3185, 0.2535



27.6557, 0.3820, 0.2892

Triad

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



27.6557, 0.3185, 0.2535



27.6557, 0.4103, 0.4242



27.6557, 0.2098, 0.3062

Complementary

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



27.6557, 0.3185, 0.2535



39.2669, 0.3069, 0.4182

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.



27.6557, 0.2434, 0.3705



27.6557, 0.3185, 0.2535



27.6557, 0.3585, 0.4441

Square

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



27.6557, 0.3185, 0.2535



27.6557, 0.4370, 0.3828



27.6557, 0.2973, 0.4255



27.6557, 0.2017, 0.2580

Rectangle

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



27.6557, 0.3185, 0.2535



27.6557, 0.4155, 0.3189



27.6557, 0.2973, 0.4255



27.6557, 0.2183, 0.3267

Sweetspot

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



27.6569, 0.3185, 0.2535



71.9126, 0.3144, 0.3053



22.2185, 0.2586, 0.2370



15.5213, 0.3147, 0.3020



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.6569, 0.3185, 0.2535



44.8478, 0.3198, 0.2380



26.5981, 0.3510, 0.2908



9.1571, 0.3143, 0.3072



9.2280, 0.3298, 0.1590



0.3270, 0.3273, 0.1577

Inverse Universe

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



27.6569, 0.3185, 0.2535



44.8478, 0.3198, 0.2380



40.1250, 0.2862, 0.3709



9.1571, 0.3143, 0.3072



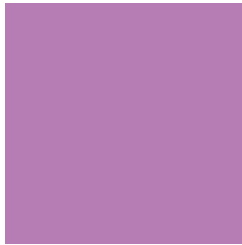
9.2280, 0.3298, 0.1590



0.3270, 0.3273, 0.1577

Previews

White Background



This preview shows how the Yxy color 27.6557, 0.3185, 0.2535 looks on a white background.

Color Contrast Check

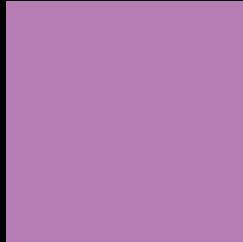
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6557, 0.3185, 0.2535 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 27.6557, 0.3185, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 27.6557, 0.3185, 0.2535.



This preview shows how white text looks on a background with the Yxy color 27.6557, 0.3185, 0.2535.

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

27.6557, 0.3185, 0.2535

Protanopia

27.8634, 0.2565, 0.2520

Deuteranopia

27.8868, 0.2794, 0.2739



Tritanopia

27.5327, 0.3540, 0.3131

Trichromacy



Original Color

27.6557, 0.3185, 0.2535

Protanomaly

27.2547, 0.2762, 0.2513

Deuteranomaly

27.6102, 0.2928, 0.2658

Tritanomaly

27.4223, 0.3409, 0.2893

Monochromacy



Original Color

27.6557, 0.3185, 0.2535

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.4769, 0.3142, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6557, 0.3185, 0.2535 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(182, 124, 180)` looks like.

```
.text, #text, p{  
    color:rgb(182, 124, 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(182, 124, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 124, 180) }
```

Border

The CSS property to change the border of an element to Yxy 27.6557, 0.3185, 0.2535 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(182, 124, 180) }
```

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

```
.border{ border-color:rgb(182, 124, 180) }
```

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

Here you see how a box with a 4 pixel rgb(182, 124, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 124, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 124, 180);  
box-shadow:4px 4px 4px 4px rgb(182, 124,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6557, 0.3185, 0.2535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 124, 180) }
```

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

```
.background{ background-color: rgb(182,  
124, 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](#).

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