

Converting Colors

$Y_{xy}(25.6573, 0.3038, 0.2306)$

Have a look what the booklet for
Yxy(25.6573, 0.3038, 0.2306)
contains.

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Color

Yxy(25.6735, 0.3042, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	B274BE
RGB	178, 116, 190
RGB Percent	70%, 45%, 75%
CMY	0.3017, 0.5452, 0.2548
CMYK	0.06, 0.39, 0.00, 0.25
HSL	290°, 36%, 60%
HSV	290°, 39%, 75%
XYZ	33.9118, 25.6735, 51.8932
YIQ	142.9740, 13.1980, 36.1580

Conversions

Conversions Part 2

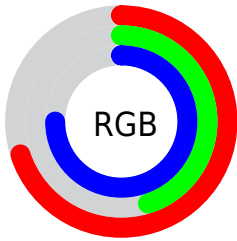
Format	Color
R _Y B	178, 116, 190
Decimal	11695294
CIE Lab	57.73, 36.85, -29.11
CIE LCh	58, 46.957, 321.689
Yxy	25.6735, 0.3042, 0.2303
Android (android.graphics.Color)	4289885374 (0xFFB274BE)
YUV	142.9740, 23.1838, 30.7178
Hunter-Lab	50.6690, 30.7957, -25.2542

Details

The Yxy color **25.6735, 0.3042, 0.2303** is a light color, and the websafe version is hex **996699**. A complement of this color would be **42.6783, 0.3163, 0.4433**, and the grayscale version is **27.3598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7535, 0.3067, 0.2480**, and **9.9591, 0.2995, 0.2028** is the 20% darker color. If you saturate the color by 10%, you get **21.3753, 0.3009, 0.2059**, and if you desaturate by 10%, it is **30.8779, 0.3070, 0.2559**.

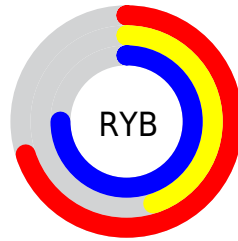
Distribution



Red (70%)

Green (45%)

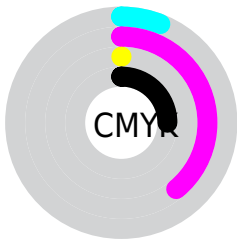
Blue (75%)



Red (70%)

Yellow (45%)

Blue (75%)

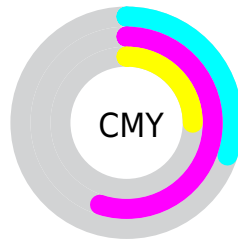


Cyan (6%)

Magenta (39%)

Yellow (0%)

Black (25%)



Cyan (30%)


Magenta (55%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6735, 0.3042, 0.2303 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 25.6735, 0.3042, 0.2303 by changing the saturation by 10% instead.


 25.6735, 0.3042,
0.2303


 25.6735, 0.3042,
0.2303


281.1756, 0.3103,
0.2802


 16.5795, 0.3021,
0.2178


 52.7478, 0.3069,
0.2485

 9.9352, 0.2989,
0.2019


 71.4968, 0.3077,
0.2553

 5.3560, 0.2940,
0.1810


 94.2331, 0.3084,
0.2611

 2.4576, 0.2857,
0.1526

121.3409, 0.3089,
0.2660

 0.8553, 0.2703,
0.1129

153.2047, 0.3093,
0.2703

 0.0000, 0.2481,
0.0000

190.2088, 0.3097,

 0.0000, 0.0000,

0.2740

0.0000

232.7376, 0.3100,
0.2773

■ 25.6735, 0.3042,
0.2303

■ 25.6735, 0.3042,
0.2303

■ 21.3753, 0.3009,
0.2059

■ 30.8779, 0.3070,
0.2559

■ 17.9248, 0.2973,
0.1837

■ 37.0356, 0.3094,
0.2818

■ 15.2622, 0.2933,
0.1647


■ 44.1943, 0.3113,
0.3072


■ 13.3180, 0.2892,
0.1497

■ 52.3976, 0.3129,
0.3314


■ 12.0108, 0.2850,
0.1391

■ 61.6865, 0.3140,
0.3543


 11.1992, 0.2807,
0.1324

 72.0998, 0.3149,
0.3755

 11.1242, 0.2803,
0.1318

 83.6744, 0.3156,
0.3949

 87.8797, 0.3170,
0.4004

 88.3136, 0.3189,
0.4000

Harmonies

Analogous

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



25.6735, 0.2345, 0.2104



25.6735, 0.3042, 0.2303



25.6735, 0.3864, 0.2700

Triad

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



25.6735, 0.3042, 0.2303



25.6735, 0.4421, 0.4365



25.6735, 0.1902, 0.3117

Complementary

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



25.6735, 0.3042, 0.2303



42.6783, 0.3163, 0.4433

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.



25.6735, 0.2352, 0.3976



25.6735, 0.3042, 0.2303



25.6735, 0.3803, 0.4736

Square

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



25.6735, 0.3042, 0.2303



25.6735, 0.4708, 0.3808



25.6735, 0.3046, 0.4639



25.6735, 0.1760, 0.2470

Rectangle

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



25.6735, 0.3042, 0.2303



25.6735, 0.4336, 0.3041



25.6735, 0.3046, 0.4639



25.6735, 0.2018, 0.3394

Sweetspot

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



25.6746, 0.3042, 0.2303



75.6839, 0.3107, 0.2991



22.9489, 0.2448, 0.2316



16.2371, 0.3105, 0.2957



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



25.6746, 0.3042, 0.2303



39.5845, 0.3014, 0.2087



26.1620, 0.3449, 0.2630



9.6162, 0.3113, 0.3062



7.4241, 0.2809, 0.1321



0.3120, 0.2910, 0.1377

Inverse Universe

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



24.9897, 0.3925, 0.3127



38.2938, 0.4207, 0.3092



42.4583, 0.2909, 0.4062



9.5608, 0.3264, 0.3253



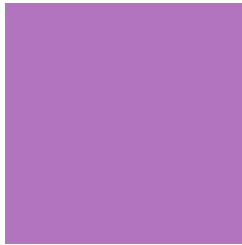
7.3517, 0.6146, 0.3160



0.2960, 0.5554, 0.2833

Previews

White Background



This preview shows how the Yxy color 25.6735, 0.3042, 0.2303 looks on a white background.

Color Contrast Check

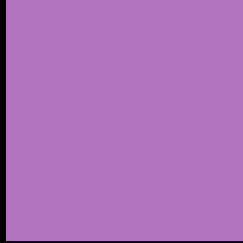
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6735, 0.3042, 0.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

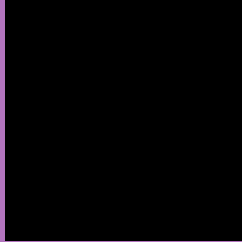
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6735, 0.3042, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 25.6735, 0.3042, 0.2303.



This preview shows how white text looks on a background with the Yxy color 25.6735, 0.3042, 0.2303.

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

25.6735, 0.3042, 0.2303

Protanopia

26.0412, 0.2353, 0.2246

Deuteranopia

25.8721, 0.2581, 0.2528



Tritanopia

25.6428, 0.3540, 0.3141

Trichromacy



Original Color

25.6735, 0.3042, 0.2303

Protanomaly

25.3208, 0.2559, 0.2244

Deuteranomaly

25.3081, 0.2735, 0.2429

Tritanomaly

25.5649, 0.3360, 0.2813

Monochromacy



Original Color

25.6735, 0.3042, 0.2303

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.3810, 0.3103, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6735, 0.3042, 0.2303 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(178, 116, 190)` looks like.

```
.text, #text, p{  
    color:rgb(178, 116, 190)  
}
```

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(178, 116, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 116, 190) }
```

Border

The CSS property to change the border of an element to Yxy 25.6735, 0.3042, 0.2303 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(178, 116, 190) }
```

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

```
.border{ border-color:rgb(178, 116, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 116, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 116, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 116, 190);  
box-shadow:4px 4px 4px 4px rgb(178, 116,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6735, 0.3042, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 116, 190) }
```

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

```
.background{ background-color: rgb(178,  
116, 190) }
```

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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