

Converting Colors

$Y_{xy}(25.8349, 0.3199, 0.2486)$

Have a look what the booklet for
Yxy(25.8349, 0.3199, 0.2486)
contains.

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Color

Yxy(25.8345, 0.3199, 0.2486)

Conversions

Conversions Part 1

Format	Color
Hex	B476B1
RGB	180, 118, 177
RGB Percent	71%, 46%, 69%
CMY	0.2940, 0.5373, 0.3058
CMYK	0.00, 0.34, 0.02, 0.29
HSL	303°, 29%, 58%
HSV	303°, 34%, 71%
XYZ	33.2440, 25.8345, 44.8415
YIQ	143.2640, 18.0130, 31.4930

Conversions

Conversions Part 2

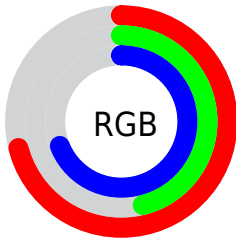
Format	Color
RYB	180, 118, 177
Decimal	11826865
CIELab	57.88, 33.84, -21.42
CIELCh	58, 40.049, 327.665
Yxy	25.8345, 0.3199, 0.2486
Android (android.graphics.Color)	4290016945 (0xFFB476B1)
YUV	143.2640, 16.6318, 32.2175
Hunter-Lab	50.8276, 27.8001, -16.7278

Details

The Yxy color **25.8345, 0.3199, 0.2486** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.8866, 0.3058, 0.4252**, and the grayscale version is **27.5068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0135, 0.3191, 0.2636**, and **10.0251, 0.3210, 0.2249** is the 20% darker color. If you saturate the color by 10%, you get **21.9585, 0.3222, 0.2265**, and if you desaturate by 10%, it is **30.5222, 0.3176, 0.2719**.

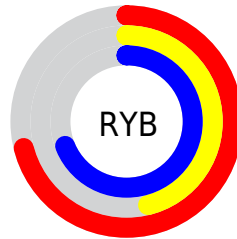
Distribution



Red (71%)

Green (46%)

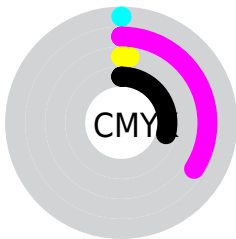
Blue (69%)



Red (71%)

Yellow (46%)

Blue (69%)

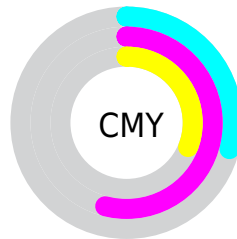


Cyan (0%)

Magenta (34%)

Yellow (2%)

Black (29%)



Cyan (29%)


Magenta (54%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8345, 0.3199, 0.2486 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 25.8345, 0.3199, 0.2486 by changing the saturation by 10% instead.


 25.8345, 0.3199,
0.2486


 25.8345, 0.3199,
0.2486

281.9687, 0.3171,
0.2899


 16.6999, 0.3203,
0.2380


 53.0078, 0.3191,
0.2638

 10.0207, 0.3206,
0.2243


 71.8153, 0.3187,
0.2695

 5.4127, 0.3206,
0.2059


 94.6159, 0.3184,
0.2742

 2.4914, 0.3197,
0.1800

121.7939, 0.3181,
0.2783

 0.8723, 0.3160,
0.1417

153.7338, 0.3178,
0.2818

 0.0000, 0.3220,
0.0000

190.8200, 0.3175,

 0.0000, 0.0000,

0.2848

0.0000

233.4368, 0.3173,
0.2875

■ 25.8345, 0.3199,
0.2486

■ 25.8345, 0.3199,
0.2486

■ 21.9585, 0.3222,
0.2265

■ 30.5222, 0.3176,
0.2719

■ 18.8445, 0.3246,
0.2066

■ 36.0608, 0.3155,
0.2955

■ 16.4429, 0.3268,
0.1896


■ 42.4908, 0.3135,
0.3188

■ 14.6967, 0.3290,
0.1764


■ 49.8493, 0.3117,
0.3413

■ 13.5401, 0.3309,
0.1675


■ 58.1715, 0.3101,
0.3625


 12.8939, 0.3325,
0.1626

 67.4903, 0.3087,
0.3823

 12.6591, 0.3334,
0.1610

 77.8375, 0.3074,
0.4005

 84.6883, 0.3066,
0.4105

 84.7251, 0.3061,
0.4095

Harmonies

Analogous

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



25.8345, 0.2560, 0.2272



25.8345, 0.3199, 0.2486



25.8345, 0.3888, 0.2868

Triad

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



25.8345, 0.3199, 0.2486



25.8345, 0.4167, 0.4317



25.8345, 0.2018, 0.3025

Complementary

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



25.8345, 0.3199, 0.2486



37.8866, 0.3058, 0.4252

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.



25.8345, 0.2368, 0.3727



25.8345, 0.3199, 0.2486



25.8345, 0.3603, 0.4540

Square

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



25.8345, 0.3199, 0.2486



25.8345, 0.4467, 0.3866



25.8345, 0.2943, 0.4338



25.8345, 0.1938, 0.2513

Rectangle

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



25.8345, 0.3199, 0.2486



25.8345, 0.4250, 0.3184



25.8345, 0.2943, 0.4338



25.8345, 0.2105, 0.3248

Sweetspot

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



25.8356, 0.3199, 0.2486



70.1619, 0.3146, 0.3056



20.2466, 0.2535, 0.2284



14.8232, 0.3149, 0.3024



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



25.8356, 0.3199, 0.2486



41.5997, 0.3216, 0.2324



24.7651, 0.3551, 0.2877



8.6395, 0.3145, 0.3076



8.8346, 0.3332, 0.1609



0.2801, 0.3295, 0.1589

Inverse Universe

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



25.8356, 0.3199, 0.2486



41.5997, 0.3216, 0.2324



38.7431, 0.2843, 0.3748



8.6395, 0.3145, 0.3076



8.8346, 0.3332, 0.1609



0.2801, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 25.8345, 0.3199, 0.2486 looks on a white background.

Color Contrast Check

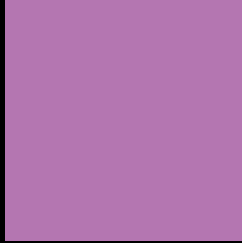
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8345, 0.3199, 0.2486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

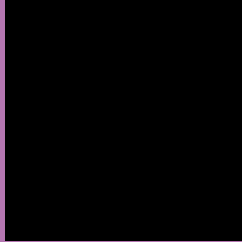
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8345, 0.3199, 0.2486

Background



This preview shows how black text looks on a background with the Yxy color 25.8345, 0.3199, 0.2486.



This preview shows how white text looks on a background with the Yxy color 25.8345, 0.3199, 0.2486.

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

25.8345, 0.3199, 0.2486

Protanopia

26.1937, 0.2514, 0.2460

Deuteranopia

26.0982, 0.2758, 0.2709



Tritanopia

25.8132, 0.3603, 0.3144

Trichromacy



Original Color

25.8345, 0.3199, 0.2486

Protanomaly

25.7497, 0.2727, 0.2457

Deuteranomaly

25.6397, 0.2903, 0.2613

Tritanomaly

25.7474, 0.3454, 0.2887

Monochromacy



Original Color

25.8345, 0.3199, 0.2486

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.4847, 0.3153, 0.2967

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8345, 0.3199, 0.2486 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(180, 118, 177)` looks like.

```
.text, #text, p{  
    color:rgb(180, 118, 177)  
}
```

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(180, 118, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 118, 177) }
```

Border

The CSS property to change the border of an element to Yxy 25.8345, 0.3199, 0.2486 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(180, 118, 177) }
```

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

```
.border{ border-color:rgb(180, 118, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 118, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 118, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 118, 177); box-shadow:4px 4px 4px 4px rgb(180, 118, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8345, 0.3199, 0.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 118, 177) }
```

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

```
.background{ background-color: rgb(180,  
118, 177) }
```

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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