

Converting Colors

$Y_{xy}(25.6596, 0.3064, 0.2234)$

Have a look what the booklet for
Yxy(25.6596, 0.3064, 0.2234)
contains.

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Color

Yxy(25.6737, 0.3067, 0.2230)

Conversions

Conversions Part 1

Format	Color
Hex	B870C2
RGB	184, 112, 194
RGB Percent	72%, 44%, 76%
CMY	0.2782, 0.5609, 0.2391
CMYK	0.05, 0.42, 0.00, 0.24
HSL	293°, 40%, 60%
HSV	293°, 42%, 76%
XYZ	35.3100, 25.6737, 54.1450
YIQ	142.8760, 16.5900, 40.7660

Conversions

Conversions Part 2

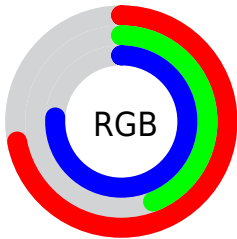
Format	Color
RYB	184, 112, 194
Decimal	12087490
CIELab	57.73, 41.65, -31.34
CIElCh	58, 52.125, 323.044
Yxy	25.6737, 0.3067, 0.2230
Android (android.graphics.Color)	4290277570 (0xFFB870C2)
YUV	142.8760, 25.2041, 36.0657
Hunter-Lab	50.6692, 35.7206, -27.8887

Details

The Yxy color **25.6737, 0.3067, 0.2230** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.8949, 0.3139, 0.4557**, and the grayscale version is **27.3089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5761, 0.3086, 0.2416**, and **9.8981, 0.3015, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **21.5574, 0.3044, 0.1998**, and if you desaturate by 10%, it is **30.7195, 0.3087, 0.2479**.

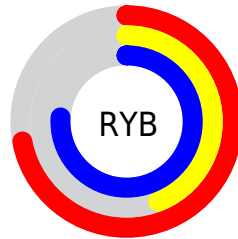
Distribution



Red (72%)

Green (44%)

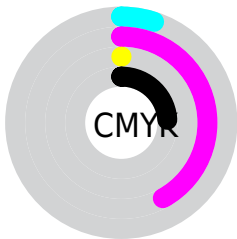
Blue (76%)



Red (72%)

Yellow (44%)

Blue (76%)

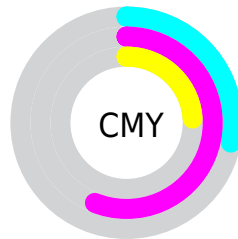


Cyan (5%)

Magenta (42%)

Yellow (0%)

Black (24%)



Cyan (28%)


Magenta (56%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6737, 0.3067, 0.2230 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 25.6737, 0.3067, 0.2230 by changing the saturation by 10% instead.


 25.6737, 0.3067,
0.2230


 25.6737, 0.3067,
0.2230

281.1766, 0.3117,
0.2761


 16.5797, 0.3048,
0.2099

 52.7481, 0.3090,
0.2422


 9.9353, 0.3019,
0.1934


 71.4972, 0.3097,
0.2494

 5.3561, 0.2973,
0.1718


 94.2336, 0.3103,
0.2556

 2.4577, 0.2895,
0.1430

 121.3415, 0.3107,
0.2608

 0.8553, 0.2746,
0.1036

153.2053, 0.3110,
0.2654

 0.0000, 0.2556,
0.0000

190.2095, 0.3113,

 0.0000, 0.0000,

0.2694

0.0000

232.7385, 0.3115,
0.2729

■ 25.6737, 0.3067,
0.2230

■ 25.6737, 0.3067,
0.2230

■ 21.5574, 0.3044,
0.1998

■ 30.7195, 0.3087,
0.2479

■ 18.3072, 0.3018,
0.1794

■ 36.7458, 0.3103,
0.2734

■ 15.8576, 0.2989,
0.1625


■ 43.8042, 0.3116,
0.2989


■ 14.1316, 0.2959,
0.1498

■ 51.9415, 0.3125,
0.3235

■ 13.0377, 0.2928,
0.1415


■ 61.2015, 0.3132,
0.3469

 12.4925, 0.2903,
0.1373

 71.6259, 0.3137,
0.3688

 83.2540, 0.3140,
0.3890

 88.0996, 0.3150,
0.3958

 88.4328, 0.3164,
0.3955

Harmonies

Analogous

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



25.6737, 0.2295, 0.2004



25.6737, 0.3067, 0.2230



25.6737, 0.3981, 0.2664

Triad

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



25.6737, 0.3067, 0.2230



25.6737, 0.4511, 0.4474



25.6737, 0.1772, 0.3045

Complementary

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



25.6737, 0.3067, 0.2230



43.8949, 0.3139, 0.4557

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.



25.6737, 0.2238, 0.4012



25.6737, 0.3067, 0.2230



25.6737, 0.3815, 0.4898

Square

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



25.6737, 0.3067, 0.2230



25.6737, 0.4864, 0.3859



25.6737, 0.2985, 0.4786



25.6737, 0.1640, 0.2356

Rectangle

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



25.6737, 0.3067, 0.2230



25.6737, 0.4498, 0.3034



25.6737, 0.2985, 0.4786



25.6737, 0.1889, 0.3351

Sweetspot

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



25.6748, 0.3067, 0.2230



78.0913, 0.3115, 0.2966



21.4826, 0.2374, 0.2171



16.4433, 0.3112, 0.2909



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



25.6748, 0.3067, 0.2230



39.3691, 0.3045, 0.2009



25.7319, 0.3520, 0.2607



10.1834, 0.3119, 0.3062



8.2355, 0.2908, 0.1375



0.3737, 0.2979, 0.1415

Inverse Universe

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



24.4575, 0.4073, 0.3157



36.9939, 0.4417, 0.3132



43.9901, 0.2875, 0.4099



10.0974, 0.3270, 0.3262



7.5895, 0.6232, 0.3207



0.3346, 0.5765, 0.2950

Previews

White Background



This preview shows how the Yxy color 25.6737, 0.3067, 0.2230 looks on a white background.

Color Contrast Check

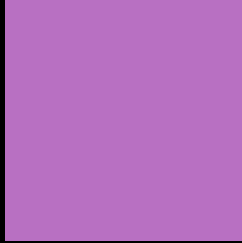
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6737, 0.3067, 0.2230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

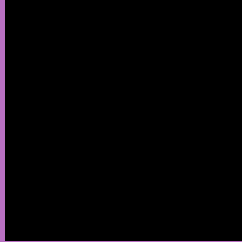
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6737, 0.3067, 0.2230

Background



This preview shows how black text looks on a background with the Yxy color 25.6737, 0.3067, 0.2230.



This preview shows how white text looks on a background with the Yxy color 25.6737, 0.3067, 0.2230.

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

25.6737, 0.3067, 0.2230

Protanopia

26.1259, 0.2285, 0.2160

Deuteranopia

25.8505, 0.2542, 0.2485



Tritanopia

25.6466, 0.3630, 0.3144

Trichromacy



Original Color

25.6737, 0.3067, 0.2230

Protanomaly

25.3466, 0.2514, 0.2163

Deuteranomaly

25.3109, 0.2710, 0.2367

Tritanomaly

25.4169, 0.3424, 0.2780

Monochromacy



Original Color

25.6737, 0.3067, 0.2230

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.3803, 0.3104, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6737, 0.3067, 0.2230 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(184, 112, 194)` looks like.

```
.text, #text, p{  
    color:rgb(184, 112, 194)  
}
```

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(184, 112, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 112, 194) }
```

Border

The CSS property to change the border of an element to Yxy 25.6737, 0.3067, 0.2230 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(184, 112, 194) }
```

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

```
.border{ border-color:rgb(184, 112, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 112, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 112, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 112, 194);  
box-shadow:4px 4px 4px 4px rgb(184, 112,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6737, 0.3067, 0.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 112, 194) }
```

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

```
.background{ background-color: rgb(184,  
112, 194) }
```

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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