

Converting Colors

$Y_{xy}(24.3647, 0.3223, 0.2225)$

Have a look what the booklet for
Yxy(24.3647, 0.3223, 0.2225)
contains.

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Color

Yxy(24.3647, 0.3223, 0.2225)

Conversions

Conversions Part 1

Format	Color
Hex	BF67BB
RGB	191, 103, 187
RGB Percent	75%, 40%, 73%
CMY	0.2512, 0.5959, 0.2667
CMYK	0.00, 0.46, 0.02, 0.25
HSL	303°, 41%, 58%
HSV	303°, 46%, 75%
XYZ	35.2932, 24.3647, 49.8463
YIQ	138.8880, 25.4840, 44.7800

Conversions

Conversions Part 2

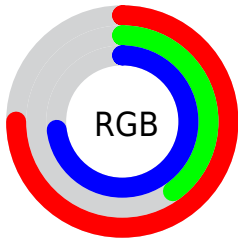
Format	Color
RYB	191, 103, 187
Decimal	12543931
CIELab	56.45, 47.09, -29.23
CIELCh	56, 55.423, 328.175
Yxy	24.3647, 0.3223, 0.2225
Android (android.graphics.Color)	4290734011 (0xFFBF67BB)
YUV	138.8880, 23.7192, 45.7022
Hunter-Lab	49.3606, 41.2478, -25.3210

Details

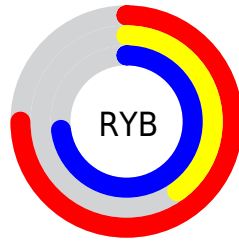
The Yxy color **24.3647, 0.3223, 0.2225** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.1845, 0.3036, 0.4654**, and the grayscale version is **25.6761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7247, 0.3219, 0.2426**, and **9.2120, 0.3225, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **20.9525, 0.3245, 0.2029**, and if you desaturate by 10%, it is **28.6467, 0.3200, 0.2444**.

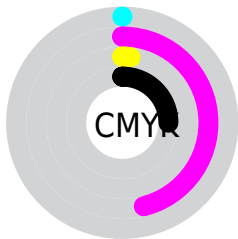
Distribution



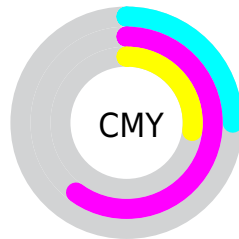
- Red (75%)
- Green (40%)
- Blue (73%)



- Red (75%)
- Yellow (40%)
- Blue (73%)



- Cyan (0%)
- Magenta (46%)
- Yellow (2%)
- Black (25%)




- Cyan (25%)
- Magenta (60%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3647, 0.3223, 0.2225 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 24.3647, 0.3223, 0.2225 by changing the saturation by 10% instead.


 24.3647, 0.3223,
0.2225


 24.3647, 0.3223,
0.2225


274.6591, 0.3190,
0.2761


 15.6044, 0.3226,
0.2092


 50.6247, 0.3215,
0.2419


 9.2446, 0.3225,
0.1923

 68.8931, 0.3211,
0.2493

 4.9011, 0.3217,
0.1703


 91.0998, 0.3207,
0.2555

 2.1893, 0.3192,
0.1406

 117.6289, 0.3203,
0.2608

 0.7142, 0.3125,
0.0986

148.8651, 0.3199,
0.2654

 0.0000, 0.3045,
0.0000

185.1925, 0.3196,

 0.0000, 0.0000,

0.2694

0.0000

226.9958, 0.3193,
0.2729

■ 24.3647, 0.3223,
0.2225

■ 24.3647, 0.3223,
0.2225

■ 20.9525, 0.3245,
0.2029

■ 28.6467, 0.3200,
0.2444

■ 18.3471, 0.3267,
0.1865

■ 33.8493, 0.3179,
0.2677

■ 16.4821, 0.3287,
0.1740


■ 40.0235, 0.3158,
0.2916


■ 15.2792, 0.3304,
0.1658


■ 47.2154, 0.3138,
0.3151

■ 14.6390, 0.3320,
0.1616


■ 55.4683, 0.3120,
0.3379

 14.4604, 0.3325,
0.1606

 64.8229, 0.3104,
0.3595

 75.3178, 0.3090,
0.3797

 86.4778, 0.3078,
0.3975

 86.5166, 0.3073,
0.3965

Harmonies

Analogous

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



24.3647, 0.2354, 0.1945



24.3647, 0.3223, 0.2225



24.3647, 0.4208, 0.2712

Triad

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



24.3647, 0.3223, 0.2225



24.3647, 0.4487, 0.4642



24.3647, 0.1631, 0.2860

Complementary

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



24.3647, 0.3223, 0.2225



41.1845, 0.3036, 0.4654

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.



24.3647, 0.2057, 0.3887



24.3647, 0.3223, 0.2225



24.3647, 0.3698, 0.5059

Square

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



24.3647, 0.3223, 0.2225



24.3647, 0.4960, 0.3990



24.3647, 0.2810, 0.4827



24.3647, 0.1555, 0.2198

Rectangle

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



24.3647, 0.3223, 0.2225



24.3647, 0.4721, 0.3112



24.3647, 0.2810, 0.4827



24.3647, 0.1733, 0.3172

Sweetspot

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



24.3658, 0.3223, 0.2225



73.9270, 0.3154, 0.2959



16.5316, 0.2292, 0.1876



15.6533, 0.3158, 0.2907



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.



24.3658, 0.3223, 0.2225



37.6381, 0.3245, 0.2032



22.7943, 0.3765, 0.2736



9.6887, 0.3144, 0.3074



9.5129, 0.3324, 0.1605



0.3749, 0.3294, 0.1588

Inverse Universe

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



24.3658, 0.3223, 0.2225



37.6381, 0.3245, 0.2032



42.3224, 0.2765, 0.3938



9.6887, 0.3144, 0.3074



9.5129, 0.3324, 0.1605



0.3749, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 24.3647, 0.3223, 0.2225 looks on a white background.

Color Contrast Check

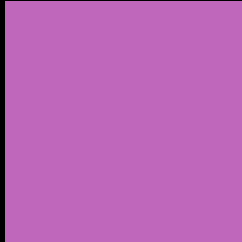
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3647, 0.3223, 0.2225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

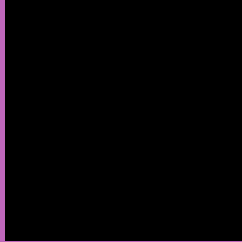
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3647, 0.3223, 0.2225

Background



This preview shows how black text looks on a background with the Yxy color 24.3647, 0.3223, 0.2225.



This preview shows how white text looks on a background with the Yxy color 24.3647, 0.3223, 0.2225.

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

24.3647, 0.3223, 0.2225

Protanopia

24.6543, 0.2258, 0.2114

Deuteranopia

24.6715, 0.2596, 0.2543



Tritanopia

24.2962, 0.3861, 0.3163

Trichromacy



Original Color

24.3647, 0.3223, 0.2225



Protanomaly

23.6341, 0.2533, 0.2121



Deuteranomaly

23.8807, 0.2794, 0.2396



Tritanomaly

24.1656, 0.3625, 0.2791

Monochromacy



Original Color

24.3647, 0.3223, 0.2225



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.5911, 0.3172, 0.2830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3647, 0.3223, 0.2225 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(191, 103, 187)` looks like.

```
.text, #text, p{  
    color:rgb(191, 103, 187)  
}
```

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(191, 103, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 103, 187) }
```

Border

The CSS property to change the border of an element to Yxy 24.3647, 0.3223, 0.2225 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(191, 103, 187) }
```

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

```
.border{ border-color:rgb(191, 103, 187) }
```

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

Here you see how a box with a 4 pixel rgb(191, 103, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 103, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 103, 187);  
box-shadow:4px 4px 4px 4px rgb(191, 103,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3647, 0.3223, 0.2225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 103, 187) }
```

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

```
.background{ background-color: rgb(191,  
103, 187) }
```

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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