

Converting Colors

$Y_{xy}(22.4210, 0.3205, 0.2133)$

Have a look what the booklet for
Yxy(22.4210, 0.3205, 0.2133)
contains.

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Color

Yxy(22.4210, 0.3205, 0.2133)

Conversions

Conversions Part 1

Format	Color
Hex	BC5FBA
RGB	188, 95, 186
RGB Percent	74%, 37%, 73%
CMY	0.2628, 0.6274, 0.2706
CMYK	0.00, 0.49, 0.01, 0.26
HSL	301°, 41%, 55%
HSV	301°, 49%, 74%
XYZ	33.6893, 22.4210, 49.0045
YIQ	133.1810, 26.2170, 48.0170

Conversions

Conversions Part 2

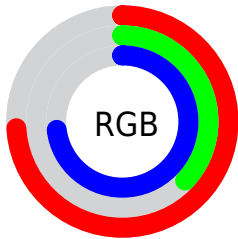
Format	Color
R_{YB}	188, 95, 186
Decimal	12345274
CIE _{Lab}	54.47, 50.10, -31.77
CIE _{LCh}	54, 59.321, 327.621
Yxy	22.4210, 0.3205, 0.2133
Android (android.graphics.Color)	4290535354 (0xFFBC5FBA)
YUV	133.1810, 26.0398, 48.0763
Hunter-Lab	47.3508, 44.1358, -28.2151

Details

The Yxy color **22.4210, 0.3205, 0.2133** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.2535, 0.3043, 0.4805**, and the grayscale version is **23.4230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4985, 0.3206, 0.2351**, and **8.2274, 0.3196, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **19.4164, 0.3220, 0.1945**, and if you desaturate by 10%, it is **26.2447, 0.3189, 0.2349**.

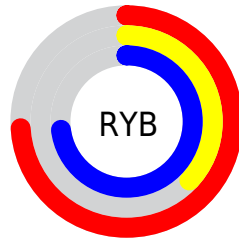
Distribution



Red (74%)

Green (37%)

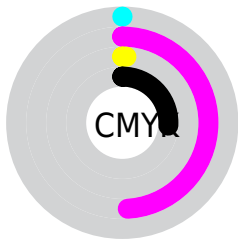
Blue (73%)



Red (74%)

Yellow (37%)

Blue (73%)

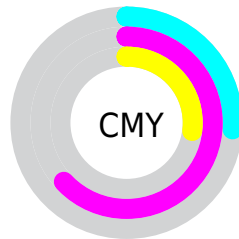


Cyan (0%)

Magenta (49%)

Yellow (1%)

Black (26%)



Cyan (26%)


Magenta (63%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4210, 0.3205, 0.2133 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 22.4210, 0.3205, 0.2133 by changing the saturation by 10% instead.


 22.4210, 0.3205,
0.2133


 22.4210, 0.3205,
0.2133


264.7370, 0.3185,
0.2717


 14.1666, 0.3203,
0.1989


 47.4408, 0.3203,
0.2345


 8.2366, 0.3195,
0.1805


 64.9750, 0.3200,
0.2425

 4.2467, 0.3176,
0.1567


 86.3713, 0.3198,
0.2492

 1.8125, 0.3130,
0.1249

 112.0140, 0.3195,
0.2550

 0.4950, 0.3044,
0.0748

142.2875, 0.3192,
0.2600

 0.0000, 0.2759,
0.0000

177.5762, 0.3190,

 0.0000, 0.0000,

0.2644

0.0000

218.2646, 0.3187,
0.2682

■ 22.4210, 0.3205,
0.2133

■ 22.4210, 0.3205,
0.2133

■ 19.4164, 0.3220,
0.1945

■ 26.2447, 0.3189,
0.2349

■ 17.1682, 0.3234,
0.1791

■ 30.9383, 0.3173,
0.2582

■ 15.6094, 0.3245,
0.1678

■ 36.5521, 0.3157,
0.2824


■ 14.6601, 0.3255,
0.1608

■ 43.1315, 0.3141,
0.3066

■ 14.1713, 0.3263,
0.1573


■ 50.7192, 0.3126,
0.3303

 14.1479, 0.3263,
0.1571

 59.3550, 0.3113,
0.3528

 69.0769, 0.3100,
0.3740

 79.9208, 0.3089,
0.3937

 85.9085, 0.3083,
0.4028

Harmonies

Analogous

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



22.4210, 0.2269, 0.1840



22.4210, 0.3205, 0.2133



22.4210, 0.4294, 0.2646

Triad

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



22.4210, 0.3205, 0.2133



22.4210, 0.4593, 0.4717



22.4210, 0.1516, 0.2820

Complementary

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



22.4210, 0.3205, 0.2133



39.2535, 0.3043, 0.4805

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.



22.4210, 0.1967, 0.3969



22.4210, 0.3205, 0.2133



22.4210, 0.3736, 0.5225

Square

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



22.4210, 0.3205, 0.2133



22.4210, 0.5120, 0.3997



22.4210, 0.2778, 0.5020



22.4210, 0.1437, 0.2105

Rectangle

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



22.4210, 0.3205, 0.2133



22.4210, 0.4865, 0.3067



22.4210, 0.2778, 0.5020



22.4210, 0.1622, 0.3166

Sweetspot

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



22.4220, 0.3205, 0.2133



71.0601, 0.3150, 0.2926



14.3364, 0.2208, 0.1753



14.7554, 0.3153, 0.2875



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



22.4220, 0.3205, 0.2133



34.9559, 0.3221, 0.1936



20.7689, 0.3810, 0.2677



9.6927, 0.3141, 0.3069



9.6369, 0.3262, 0.1571



0.3786, 0.3249, 0.1563

Inverse Universe

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



22.4220, 0.3205, 0.2133



34.9559, 0.3221, 0.1936



40.3750, 0.2756, 0.4022



9.6927, 0.3141, 0.3069



9.6369, 0.3262, 0.1571



0.3786, 0.3249, 0.1563

Previews

White Background



This preview shows how the Yxy color 22.4210, 0.3205, 0.2133 looks on a white background.

Color Contrast Check

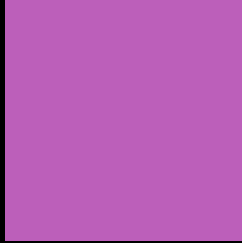
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4210, 0.3205, 0.2133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

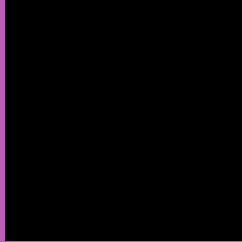
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4210, 0.3205, 0.2133

Background



This preview shows how black text looks on a background with the Yxy color 22.4210, 0.3205, 0.2133.



This preview shows how white text looks on a background with the Yxy color 22.4210, 0.3205, 0.2133.

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

22.4210, 0.3205, 0.2133

Protanopia

22.8348, 0.2168, 0.1997

Deuteranopia

22.6406, 0.2514, 0.2457



Tritanopia

22.4041, 0.3946, 0.3176

Trichromacy



Original Color

22.4210, 0.3205, 0.2133

Protanomaly

21.5962, 0.2443, 0.2002

Deuteranomaly

21.8508, 0.2735, 0.2302

Tritanomaly

22.1536, 0.3674, 0.2756

Monochromacy



Original Color

22.4210, 0.3205, 0.2133

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.2330, 0.3164, 0.2769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4210, 0.3205, 0.2133 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(188, 95, 186)` looks like.

```
.text, #text, p{  
    color:rgb(188, 95, 186)  
}
```

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(188, 95, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 95, 186) }
```

Border

The CSS property to change the border of an element to Yxy 22.4210, 0.3205, 0.2133 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(188, 95, 186) }
```

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

```
.border{ border-color:rgb(188, 95, 186) }
```

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

Here you see how a box with a 4 pixel rgb(188, 95, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 95, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 95, 186);  
box-shadow:4px 4px 4px 4px rgb(188, 95,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4210, 0.3205, 0.2133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 95, 186) }
```

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

```
.background{ background-color: rgb(188, 95,  
186) }
```

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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