

Converting Colors

$Y_{xy}(22.4516, 0.3223, 0.2227)$

Have a look what the booklet for
Yxy(22.4516, 0.3223, 0.2227)
contains.

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Color

Yxy(22.4093, 0.3225, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	B863B4
RGB	184, 99, 180
RGB Percent	72%, 39%, 71%
CMY	0.2784, 0.6117, 0.2941
CMYK	0.00, 0.46, 0.02, 0.28
HSL	303°, 37%, 55%
HSV	303°, 46%, 72%
XYZ	32.4663, 22.4093, 45.7951
YIQ	133.6490, 24.6590, 43.2110

Conversions

Conversions Part 2

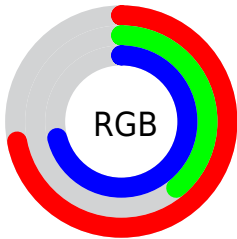
Format	Color
RYB	184, 99, 180
Decimal	12084148
CIELab	54.46, 45.82, -28.37
CIELCh	54, 53.887, 328.236
Yxy	22.4093, 0.3225, 0.2226
Android (android.graphics.Color)	4290274228 (0xFFB863B4)
YUV	133.6490, 22.8510, 44.1578
Hunter-Lab	47.3385, 39.5790, -24.2201

Details

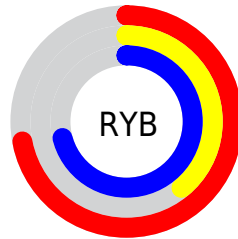
The Yxy color **22.4093, 0.3225, 0.2226** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.9114, 0.3035, 0.4652**, and the grayscale version is **23.6137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3898, 0.3221, 0.2423**, and **8.2325, 0.3228, 0.1912** is the 20% darker color. If you saturate the color by 10%, you get **19.2768, 0.3248, 0.2031**, and if you desaturate by 10%, it is **26.3382, 0.3202, 0.2444**.

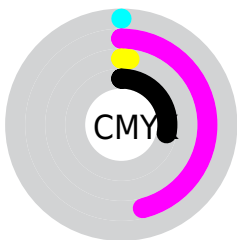
Distribution



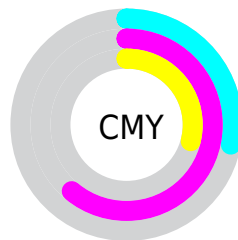
- Red (72%)
- Green (39%)
- Blue (71%)



- Red (72%)
- Yellow (39%)
- Blue (71%)



- Cyan (0%)
- Magenta (46%)
- Yellow (2%)
- Black (28%)





- Cyan (28%)
- Magenta (61%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4093, 0.3225, 0.2226 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 22.4093, 0.3225, 0.2226 by changing the saturation by 10% instead.


 22.4093, 0.3225,
0.2226


 22.4093, 0.3225,
0.2226


264.6763, 0.3190,
0.2769


 14.1580, 0.3228,
0.2089


 47.4216, 0.3216,
0.2425


 8.2306, 0.3228,
0.1914


 64.9513, 0.3212,
0.2499

 4.2429, 0.3219,
0.1682


 86.3425, 0.3208,
0.2562

 1.8103, 0.3191,
0.1368

 111.9798, 0.3204,
0.2615

 0.4936, 0.3137,
0.0846

142.2474, 0.3200,
0.2662

 0.0000, 0.2825,
0.0000

177.5298, 0.3196,

 0.0000, 0.0000,

0.2702

0.0000

218.2113, 0.3193,
0.2737

■ 22.4093, 0.3225,
0.2226

■ 22.4093, 0.3225,
0.2226

■ 19.2768, 0.3248,
0.2031

■ 26.3382, 0.3202,
0.2444

■ 16.8831, 0.3270,
0.1867

■ 31.1100, 0.3180,
0.2676

■ 15.1676, 0.3290,
0.1743

■ 36.7713, 0.3158,
0.2914


■ 14.0588, 0.3309,
0.1661


■ 43.3641, 0.3139,
0.3148


■ 13.4639, 0.3325,
0.1619

■ 50.9281, 0.3120,
0.3375

 13.2987, 0.3330,
0.1608

 59.5005, 0.3104,
0.3590

 69.1165, 0.3090,
0.3791

 79.8099, 0.3077,
0.3977

 85.3312, 0.3069,
0.4055

Harmonies

Analogous

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



22.4093, 0.2355, 0.1946



22.4093, 0.3225, 0.2226



22.4093, 0.4209, 0.2714

Triad

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



22.4093, 0.3225, 0.2226



22.4093, 0.4485, 0.4643



22.4093, 0.1631, 0.2858

Complementary

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



22.4093, 0.3225, 0.2226



37.9114, 0.3035, 0.4652

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.



22.4093, 0.2056, 0.3885



22.4093, 0.3225, 0.2226



22.4093, 0.3696, 0.5059

Square

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



22.4093, 0.3225, 0.2226



22.4093, 0.4959, 0.3991



22.4093, 0.2808, 0.4826



22.4093, 0.1556, 0.2197

Rectangle

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



22.4093, 0.3225, 0.2226



22.4093, 0.4722, 0.3113



22.4093, 0.2808, 0.4826



22.4093, 0.1732, 0.3170

Sweetspot

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



22.4103, 0.3225, 0.2226



68.8641, 0.3154, 0.2960



15.2011, 0.2291, 0.1875



14.3257, 0.3159, 0.2909



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



22.4103, 0.3225, 0.2226



35.0816, 0.3247, 0.2036



20.9693, 0.3765, 0.2735



9.1553, 0.3145, 0.3075



9.1689, 0.3329, 0.1607



0.3255, 0.3295, 0.1589

Inverse Universe

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



22.4103, 0.3225, 0.2226



35.0816, 0.3247, 0.2036



38.9560, 0.2765, 0.3939



9.1553, 0.3145, 0.3075



9.1689, 0.3329, 0.1607



0.3255, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 22.4093, 0.3225, 0.2226 looks on a white background.

Color Contrast Check

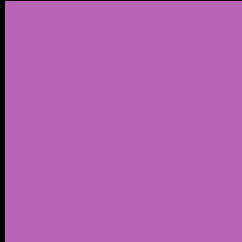
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4093, 0.3225, 0.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

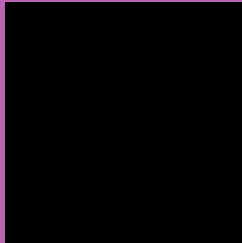
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4093, 0.3225, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 22.4093, 0.3225, 0.2226.



This preview shows how white text looks on a background with the Yxy color 22.4093, 0.3225, 0.2226.

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

22.4093, 0.3225, 0.2226

Protanopia

22.6815, 0.2260, 0.2117

Deuteranopia

22.7176, 0.2588, 0.2535



Tritanopia

22.3159, 0.3875, 0.3159

Trichromacy



Original Color

22.4093, 0.3225, 0.2226

Protanomaly

21.5682, 0.2529, 0.2120

Deuteranomaly

21.9708, 0.2792, 0.2383

Tritanomaly

22.1717, 0.3644, 0.2790

Monochromacy



Original Color

22.4093, 0.3225, 0.2226

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.5845, 0.3161, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4093, 0.3225, 0.2226 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, 99, 180)` looks like.

```
.text, #text, p{  
    color:rgb(184, 99, 180)  
}
```

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, 99, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 99, 180) }
```

Border

The CSS property to change the border of an element to Yxy 22.4093, 0.3225, 0.2226 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, 99, 180) }
```

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

```
.border{ border-color:rgb(184, 99, 180) }
```

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

Here you see how a box with a 4 pixel rgb(184, 99, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 99, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 99, 180);  
box-shadow:4px 4px 4px 4px rgb(184, 99,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4093, 0.3225, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 99, 180) }
```

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

```
.background{ background-color: rgb(184, 99,  
180) }
```

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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