

Converting Colors

$Y_{xy}(22.6924, 0.3320, 0.2222)$

Have a look what the booklet for
Yxy(22.6924, 0.3320, 0.2222)
contains.

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Color

Yxy(22.7374, 0.3310, 0.2220)

Conversions

Conversions Part 1

Format	Color
Hex	BF60B4
RGB	191, 96, 180
RGB Percent	75%, 38%, 71%
CMY	0.2511, 0.6234, 0.2941
CMYK	0.00, 0.50, 0.06, 0.25
HSL	307°, 43%, 56%
HSV	307°, 50%, 75%
XYZ	33.9013, 22.7374, 45.7821
YIQ	133.9810, 29.6560, 46.2640

Conversions

Conversions Part 2

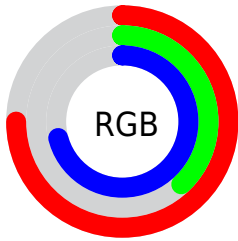
Format	Color
RYB	191, 96, 180
Decimal	12542132
CIELab	54.80, 49.42, -27.76
CIELCh	55, 56.681, 330.672
Yxy	22.7374, 0.3310, 0.2220
Android (android.graphics.Color)	4290732212 (0xFFBF60B4)
YUV	133.9810, 22.6874, 50.0057
Hunter-Lab	47.6837, 43.4599, -23.5468

Details

The Yxy color **22.7374, 0.3310, 0.2220** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.7984, 0.2990, 0.4673**, and the grayscale version is **23.7420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0086, 0.3283, 0.2421**, and **8.4110, 0.3336, 0.1910** is the 20% darker color. If you saturate the color by 10%, you get **19.5765, 0.3355, 0.2043**, and if you desaturate by 10%, it is **26.7482, 0.3267, 0.2421**.

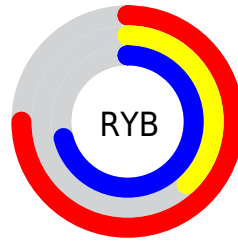
Distribution



Red (75%)

Green (38%)

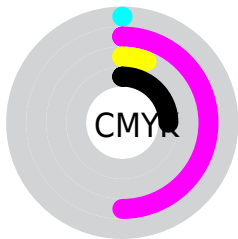
Blue (71%)



Red (75%)

Yellow (38%)

Blue (71%)

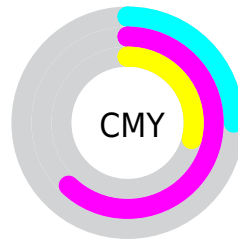


Cyan (0%)

Magenta (50%)

Yellow (6%)

Black (25%)



Cyan (25%)

Magenta (62%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7374, 0.3310, 0.2220 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 22.7374, 0.3310, 0.2220 by changing the saturation by 10% instead.


 22.7374, 0.3310,
0.2220


 22.7374, 0.3310,
0.2220


266.3733, 0.3230,
0.2764


 14.3997, 0.3325,
0.2084


 47.9618, 0.3284,
0.2419


 8.3992, 0.3342,
0.1909


 65.6173, 0.3273,
0.2493

 4.3514, 0.3357,
0.1680


 87.1475, 0.3264,
0.2556

 1.8720, 0.3364,
0.1370

 112.9368, 0.3255,
0.2609

 0.5315, 0.3363,
0.0874

143.3697, 0.3248,
0.2656

 0.0000, 0.3268,
0.0000

178.8305, 0.3241,

 0.0000, 0.0000,

0.2696

0.0000

219.7036, 0.3235,
0.2732

■ 22.7374, 0.3310,
0.2220

■ 22.7374, 0.3310,
0.2220

■ 19.5765, 0.3355,
0.2043

■ 26.7482, 0.3267,
0.2421

■ 17.2001, 0.3400,
0.1900

■ 31.6619, 0.3226,
0.2638

■ 15.5382, 0.3443,
0.1797

■ 37.5307, 0.3189,
0.2860

■ 14.5071, 0.3485,
0.1738

■ 44.4023, 0.3156,
0.3081

■ 13.9477, 0.3523,
0.1716

■ 52.3208, 0.3126,
0.3296

■ 13.9336, 0.3524,
0.1715

■ 61.3279, 0.3101,
0.3500

■ 71.4629, 0.3078,
0.3691

■ 82.7633, 0.3059,
0.3868

■ 86.7561, 0.3045,
0.3905

Harmonies

Analogous

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



22.7374, 0.2384, 0.1912



22.7374, 0.3310, 0.2220



22.7374, 0.4334, 0.2736

Triad

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



22.7374, 0.3310, 0.2220



22.7374, 0.4472, 0.4736



22.7374, 0.1556, 0.2759

Complementary

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



22.7374, 0.3310, 0.2220



40.7984, 0.2990, 0.4673

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.



22.7374, 0.1959, 0.3817



22.7374, 0.3310, 0.2220



22.7374, 0.3633, 0.5152

Square

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



22.7374, 0.3310, 0.2220



22.7374, 0.5009, 0.4059



22.7374, 0.2714, 0.4851



22.7374, 0.1509, 0.2113

Rectangle

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



22.7374, 0.3310, 0.2220



22.7374, 0.4844, 0.3151



22.7374, 0.2714, 0.4851



22.7374, 0.1648, 0.3074

Sweetspot

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



22.7384, 0.3310, 0.2220



72.5282, 0.3174, 0.2960



15.1658, 0.2269, 0.1767



15.3633, 0.3181, 0.2912



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.



22.7384, 0.3310, 0.2220



34.4747, 0.3360, 0.2023



21.1645, 0.3933, 0.2778



9.6768, 0.3155, 0.3090



9.1678, 0.3520, 0.1713



0.3646, 0.3436, 0.1666

Inverse Universe

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



22.7384, 0.3310, 0.2220



34.4747, 0.3360, 0.2023



42.0366, 0.2705, 0.3894



9.6768, 0.3155, 0.3090



9.1678, 0.3520, 0.1713



0.3646, 0.3436, 0.1666

Previews

White Background



This preview shows how the Yxy color 22.7374, 0.3310, 0.2220 looks on a white background.

Color Contrast Check

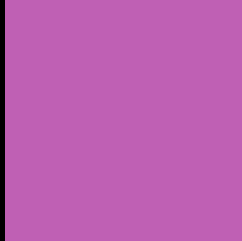
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7374, 0.3310, 0.2220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

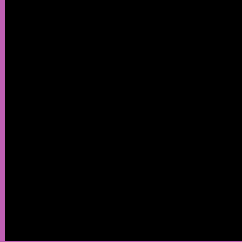
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7374, 0.3310, 0.2220

Background



This preview shows how black text looks on a background with the Yxy color 22.7374, 0.3310, 0.2220.



This preview shows how white text looks on a background with the Yxy color 22.7374, 0.3310, 0.2220.

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

22.7374, 0.3310, 0.2220

Protanopia

23.0891, 0.2246, 0.2099

Deuteranopia

23.0862, 0.2616, 0.2569



Tritanopia

22.6741, 0.4001, 0.3164

Trichromacy



Original Color

22.7374, 0.3310, 0.2220



Protanomaly

21.9047, 0.2542, 0.2106



Deuteranomaly

22.2024, 0.2834, 0.2404



Tritanomaly

22.5910, 0.3752, 0.2792

Monochromacy



Original Color

22.7374, 0.3310, 0.2220



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.6359, 0.3198, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7374, 0.3310, 0.2220 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, 96, 180)` looks like.

```
.text, #text, p{  
    color:rgb(191, 96, 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(191, 96, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 96, 180) }
```

Border

The CSS property to change the border of an element to Yxy 22.7374, 0.3310, 0.2220 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, 96, 180) }
```

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

```
.border{ border-color:rgb(191, 96, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 96, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 96, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 96, 180);  
box-shadow:4px 4px 4px 4px rgb(191, 96,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7374, 0.3310, 0.2220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 96, 180) }
```

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

```
.background{ background-color: rgb(191, 96,  
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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