

Converting Colors

$Y_{xy}(22.7867, 0.3297, 0.2204)$

Have a look what the booklet for
Yxy(22.7867, 0.3297, 0.2204)
contains.

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Color

Yxy(22.7783, 0.3298, 0.2209)

Conversions

Conversions Part 1

Format	Color
Hex	BF60B5
RGB	191, 96, 181
RGB Percent	75%, 38%, 71%
CMY	0.2510, 0.6235, 0.2901
CMYK	0.00, 0.50, 0.05, 0.25
HSL	306°, 43%, 56%
HSV	306°, 50%, 75%
XYZ	34.0076, 22.7783, 46.3300
YIQ	134.0950, 29.3350, 46.5750

Conversions

Conversions Part 2

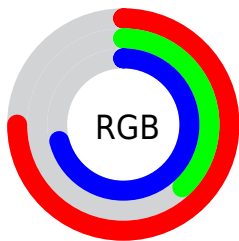
Format	Color
R _Y B	191, 96, 181
Decimal	12542133
CIE Lab	54.84, 49.60, -28.29
CIE LCh	55, 57.102, 330.307
Yxy	22.7783, 0.3298, 0.2209
Android (android.graphics.Color)	4290732213 (0xFFBF60B5)
YUV	134.0950, 23.1242, 49.9057
Hunter-Lab	47.7266, 43.6687, -24.1463

Details

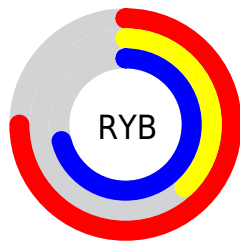
The Yxy color **22.7783, 0.3298, 0.2209** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.7825, 0.2996, 0.4690**, and the grayscale version is **23.7837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0669, 0.3275, 0.2412**, and **8.4372, 0.3318, 0.1898** is the 20% darker color. If you saturate the color by 10%, you get **19.6254, 0.3339, 0.2031**, and if you desaturate by 10%, it is **26.7810, 0.3258, 0.2412**.

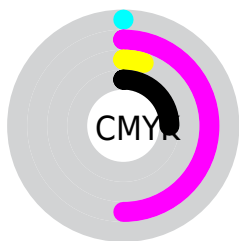
Distribution



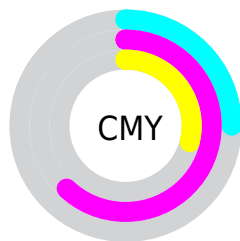
- Red (75%)
- Green (38%)
- Blue (71%)



- Red (75%)
- Yellow (38%)
- Blue (71%)



- Cyan (0%)
- Magenta (50%)
- Yellow (5%)
- Black (25%)



- Cyan (25%)
- Magenta (62%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7783, 0.3298, 0.2209 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 22.7783, 0.3298, 0.2209 by changing the saturation by 10% instead.


 22.7783, 0.3298,
0.2209


 22.7783, 0.3298,
0.2209


266.5842, 0.3225,
0.2757


 14.4299, 0.3311,
0.2072


 48.0290, 0.3275,
0.2409


 8.4203, 0.3325,
0.1897


 65.7002, 0.3265,
0.2484

 4.3650, 0.3336,
0.1667


 87.2476, 0.3256,
0.2547

 1.8798, 0.3337,
0.1356

 113.0559, 0.3249,
0.2602

 0.5362, 0.3324,
0.0864

143.5093, 0.3242,
0.2648

 0.0000, 0.3214,
0.0000

178.9922, 0.3235,

 0.0000, 0.0000,

0.2689

0.0000

219.8890, 0.3230,
0.2725

■ 22.7783, 0.3298,
0.2209

■ 22.7783, 0.3298,
0.2209

■ 19.6254, 0.3339,
0.2031

■ 26.7810, 0.3258,
0.2412

■ 17.2566, 0.3380,
0.1886

■ 31.6864, 0.3220,
0.2630

■ 15.6023, 0.3420,
0.1782


■ 37.5469, 0.3186,
0.2855


■ 14.5785, 0.3457,
0.1722

■ 44.4100, 0.3154,
0.3079

■ 14.0259, 0.3492,
0.1698


■ 52.3198, 0.3126,
0.3296

 14.0125, 0.3493,
0.1698

 61.3182, 0.3102,
0.3502

 71.4444, 0.3081,
0.3696

 82.7358, 0.3062,
0.3875

 86.7205, 0.3050,
0.3915

Harmonies

Analogous

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



22.7783, 0.2370, 0.1902



22.7783, 0.3298, 0.2209



22.7783, 0.4331, 0.2725

Triad

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



22.7783, 0.3298, 0.2209



22.7783, 0.4487, 0.4735



22.7783, 0.1550, 0.2765

Complementary

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



22.7783, 0.3298, 0.2209



40.7825, 0.2996, 0.4690

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.



22.7783, 0.1959, 0.3835



22.7783, 0.3298, 0.2209



22.7783, 0.3645, 0.5163

Square

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



22.7783, 0.3298, 0.2209



22.7783, 0.5024, 0.4052



22.7783, 0.2721, 0.4872



22.7783, 0.1499, 0.2111

Rectangle

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



22.7783, 0.3298, 0.2209



22.7783, 0.4848, 0.3141



22.7783, 0.2721, 0.4872



22.7783, 0.1644, 0.3084

Sweetspot

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



22.7793, 0.3298, 0.2209



72.5520, 0.3171, 0.2956



15.1631, 0.2269, 0.1767



15.3692, 0.3178, 0.2908



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.



22.7793, 0.3298, 0.2209



34.5637, 0.3344, 0.2011



21.1637, 0.3933, 0.2778



9.6786, 0.3153, 0.3087



9.2175, 0.3489, 0.1696



0.3661, 0.3414, 0.1654

Inverse Universe

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



22.7793, 0.3298, 0.2209



34.5637, 0.3344, 0.2011



42.0421, 0.2705, 0.3894



9.6786, 0.3153, 0.3087



9.2175, 0.3489, 0.1696



0.3661, 0.3414, 0.1654

Previews

White Background



This preview shows how the Yxy color 22.7783, 0.3298, 0.2209 looks on a white background.

Color Contrast Check

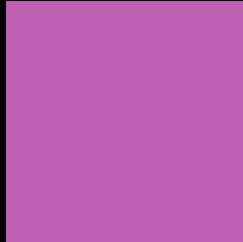
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7783, 0.3298, 0.2209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

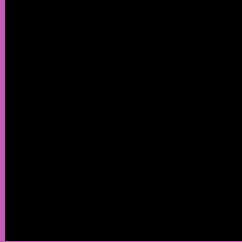
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7783, 0.3298, 0.2209

Background



This preview shows how black text looks on a background with the Yxy color 22.7783, 0.3298, 0.2209.



This preview shows how white text looks on a background with the Yxy color 22.7783, 0.3298, 0.2209.

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

22.7783, 0.3298, 0.2209

Protanopia

23.0794, 0.2234, 0.2086

Deuteranopia

23.1254, 0.2608, 0.2555



Tritanopia

22.8911, 0.3996, 0.3178

Trichromacy



Original Color

22.7783, 0.3298, 0.2209

Protanomaly

21.8681, 0.2525, 0.2092

Deuteranomaly

22.2422, 0.2824, 0.2391

Tritanomaly

22.8259, 0.3735, 0.2792

Monochromacy



Original Color

22.7783, 0.3298, 0.2209

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 22.7783, 0.3298, 0.2209 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(191, 96, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 96, 181) }
```

Border

The CSS property to change the border of an element to Yxy 22.7783, 0.3298, 0.2209 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, 181) }
```

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

```
.border{ border-color:rgb(191, 96, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 96, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 96, 181);  
box-shadow:4px 4px 4px 4px rgb(191, 96,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7783, 0.3298, 0.2209 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, 181) }
```

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

```
.background{ background-color: rgb(191, 96,  
181) }
```

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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