

Converting Colors

$Y_{xy}(22.7698, 0.3879, 0.2743)$

Have a look what the booklet for
Yxy(22.7698, 0.3879, 0.2743)
contains.

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Color

Yxy(22.7732, 0.3880, 0.2750)

Conversions

Conversions Part 1

Format	Color
Hex	C4648D
RGB	196, 100, 141
RGB Percent	77%, 39%, 55%
CMY	0.2314, 0.6078, 0.4470
CMYK	0.00, 0.49, 0.28, 0.23
HSL	334°, 45%, 58%
HSV	334°, 49%, 77%
XYZ	32.1309, 22.7732, 27.9075
YIQ	133.3780, 44.0550, 33.1030

Conversions

Conversions Part 2

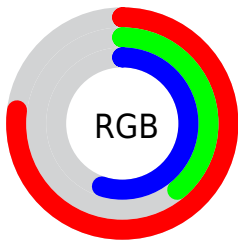
Format	Color
R _Y B	196, 100, 141
Decimal	12870797
CIE Lab	54.84, 42.97, -4.91
CIE LCh	55, 43.253, 353.484
Yxy	22.7732, 0.3880, 0.2750
Android (android.graphics.Color)	4291060877 (0xFFC4648D)
YUV	133.3780, 3.7576, 54.9195
Hunter-Lab	47.7213, 36.6725, -1.2680

Details

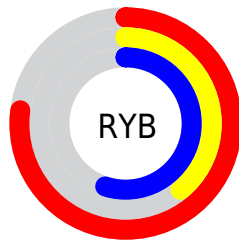
The Yxy color $22.7732, 0.3880, 0.2750$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $44.5559, 0.2725, 0.3928$, and the grayscale version is $23.5753, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.9826, 0.3718, 0.2855$, and $8.4447, 0.4169, 0.2558$ is the 20% darker color. If you saturate the color by 10%, you get $19.1384, 0.4122, 0.2658$, and if you desaturate by 10%, it is $27.3484, 0.3670, 0.2858$.

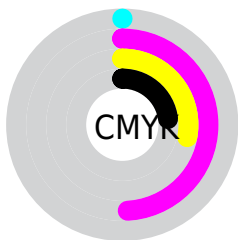
Distribution



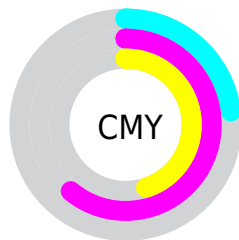
- Red (77%)
- Green (39%)
- Blue (55%)



- Red (77%)
- Yellow (39%)
- Blue (55%)



- Cyan (0%)
- Magenta (49%)
- Yellow (28%)
- Black (23%)



- Cyan (23%)
- Magenta (61%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7732, 0.3880, 0.2750 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 22.7732, 0.3880, 0.2750 by changing the saturation by 10% instead.


 22.7732, 0.3880,
0.2750


 22.7732, 0.3880,
0.2750


266.5580, 0.3464,
0.3043


 14.4261, 0.3999,
0.2668


 48.0207, 0.3718,
0.2862


 8.4176, 0.4161,
0.2558


 65.6898, 0.3661,
0.2903

 4.3633, 0.4397,
0.2402

 87.2352, 0.3614,
0.2936

 1.8788, 0.4766,
0.2164

 113.0410, 0.3574,
0.2964

 0.5356, 0.5491,
0.1652

143.4919, 0.3541,
0.2988

 0.0000, 1.0000,
0.0000

178.9720, 0.3512,

 0.0000, 0.0000,

0.3009

0.0000

219.8659, 0.3486,
0.3027

■ 22.7732, 0.3880,
0.2750

■ 22.7732, 0.3880,
0.2750

■ 19.1384, 0.4122,
0.2658

■ 27.3484, 0.3670,
0.2858

■ 16.3738, 0.4393,
0.2594

■ 32.9211, 0.3491,
0.2972

■ 14.4045, 0.4682,
0.2570


■ 39.5476, 0.3342,
0.3086

■ 13.1412, 0.4972,
0.2597

■ 47.2792, 0.3219,
0.3196


■ 12.4334, 0.5248,
0.2672


■ 56.1635, 0.3118,
0.3300

 12.3719, 0.5276,
0.2680

 66.2457, 0.3034,
0.3397

 77.5683, 0.2966,
0.3487

 89.0156, 0.2908,
0.3550

 89.6699, 0.2850,
0.3427

Harmonies

Analogous

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



22.7732, 0.3093, 0.2355



22.7732, 0.3880, 0.2750



22.7732, 0.4479, 0.3267

Triad

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



22.7732, 0.3880, 0.2750



22.7732, 0.3742, 0.4687



22.7732, 0.1807, 0.2476

Complementary

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



22.7732, 0.3880, 0.2750



44.5559, 0.2725, 0.3928

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.



22.7732, 0.1930, 0.3083



22.7732, 0.3880, 0.2750



22.7732, 0.3011, 0.4552

Square

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



22.7732, 0.3880, 0.2750



22.7732, 0.4347, 0.4360



22.7732, 0.2350, 0.3897



22.7732, 0.1970, 0.2176

Rectangle

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



22.7732, 0.3880, 0.2750



22.7732, 0.4642, 0.3642



22.7732, 0.2350, 0.3897



22.7732, 0.1816, 0.2645

Sweetspot

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



22.7743, 0.3880, 0.2750



76.6453, 0.3294, 0.3128



20.0099, 0.2723, 0.1951



15.7852, 0.3321, 0.3104



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



22.7743, 0.3880, 0.2750



34.1298, 0.4147, 0.2651



23.0473, 0.4436, 0.3378



10.1477, 0.3223, 0.3192



7.9659, 0.5241, 0.2661



0.3580, 0.4677, 0.2350

Inverse Universe

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



22.7743, 0.3880, 0.2750



34.1298, 0.4147, 0.2651



43.3494, 0.2472, 0.3194



10.1477, 0.3223, 0.3192



7.9659, 0.5241, 0.2661



0.3580, 0.4677, 0.2350

Previews

White Background



This preview shows how the Yxy color 22.7732, 0.3880, 0.2750 looks on a white background.

Color Contrast Check

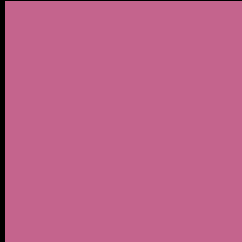
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7732, 0.3880, 0.2750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

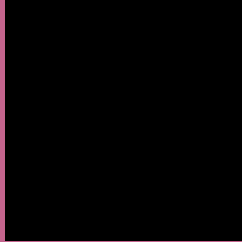
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7732, 0.3880, 0.2750

Background



This preview shows how black text looks on a background with the Yxy color 22.7732, 0.3880, 0.2750.



This preview shows how white text looks on a background with the Yxy color 22.7732, 0.3880, 0.2750.

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

22.7732, 0.3880, 0.2750

Protanopia

23.1658, 0.2767, 0.2786

Deuteranopia

22.9667, 0.3204, 0.3156



Tritanopia

22.6329, 0.4225, 0.3185

Trichromacy



Original Color

22.7732, 0.3880, 0.2750

Protanomaly

22.3453, 0.3117, 0.2752

Deuteranomaly

22.4732, 0.3441, 0.2978

Tritanomaly

22.5999, 0.4103, 0.3023

Monochromacy



Original Color

22.7732, 0.3880, 0.2750

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.5202, 0.3385, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7732, 0.3880, 0.2750 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(196, 100, 141)` looks like.

```
.text, #text, p{  
    color:rgb(196, 100, 141)  
}
```

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(196, 100, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 100, 141) }
```

Border

The CSS property to change the border of an element to Yxy 22.7732, 0.3880, 0.2750 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(196, 100, 141) }
```

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

```
.border{ border-color:rgb(196, 100, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 100, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 100, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 100, 141);  
box-shadow:4px 4px 4px 4px rgb(196, 100,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7732, 0.3880, 0.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 100, 141) }
```

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

```
.background{ background-color: rgb(196,  
100, 141) }
```

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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