

Converting Colors

$Y_{xy}(21.9745, 0.3853, 0.2664)$

Have a look what the booklet for
Yxy(21.9745, 0.3853, 0.2664)
contains.

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Color

Yxy(22.0847, 0.3865, 0.2675)

Conversions

Conversions Part 1

Format	Color
Hex	C4608F
RGB	196, 96, 143
RGB Percent	77%, 38%, 56%
CMY	0.2313, 0.6236, 0.4392
CMYK	0.00, 0.51, 0.27, 0.23
HSL	332°, 46%, 57%
HSV	332°, 51%, 77%
XYZ	31.9093, 22.0847, 28.5656
YIQ	131.2580, 44.5130, 35.8170

Conversions

Conversions Part 2

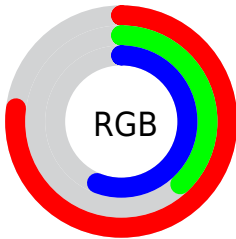
Format	Color
R _Y B	196, 96, 143
Decimal	12869775
CIE Lab	54.12, 45.28, -7.14
CIE LCh	54, 45.839, 351.035
Yxy	22.0847, 0.3865, 0.2675
Android (android.graphics.Color)	4291059855 (0xFFC4608F)
YUV	131.2580, 5.7888, 56.7787
Hunter-Lab	46.9944, 38.9618, -3.1435

Details

The Yxy color **22.0847, 0.3865, 0.2675** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **44.1458, 0.2739, 0.4031**, and the grayscale version is **22.7608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7861, 0.3707, 0.2794**, and **8.0070, 0.4126, 0.2450** is the 20% darker color. If you saturate the color by 10%, you get **18.6438, 0.4091, 0.2578**, and if you desaturate by 10%, it is **26.4486, 0.3667, 0.2791**.

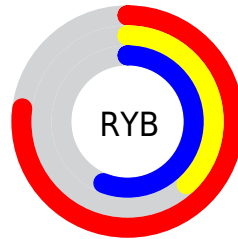
Distribution



Red (77%)

Green (38%)

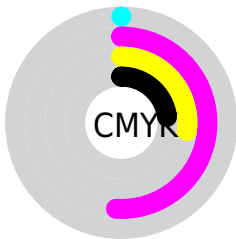
Blue (56%)



Red (77%)

Yellow (38%)

Blue (56%)

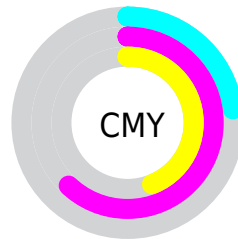


Cyan (0%)

Magenta (51%)

Yellow (27%)

Black (23%)



Cyan (23%)

Magenta (62%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0847, 0.3865, 0.2675 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 22.0847, 0.3865, 0.2675 by changing the saturation by 10% instead.


 22.0847, 0.3865,
0.2675


 22.0847, 0.3865,
0.2675


262.9883, 0.3458,
0.3007


 13.9191, 0.3981,
0.2584


 46.8859, 0.3707,
0.2802


 8.0645, 0.4139,
0.2461

 64.2904, 0.3651,
0.2848

 4.1362, 0.4368,
0.2287

 85.5434, 0.3605,
0.2885

 1.7501, 0.4726,
0.2026

 111.0291, 0.3566,
0.2917

 0.4558, 0.5464,
0.1424

141.1321, 0.3533,
0.2945

 0.0000, 1.0000,
0.0000

176.2367, 0.3505,

 0.0000, 0.0000,

0.2968

0.0000

216.7273, 0.3480,
0.2989

■ 22.0847, 0.3865,
0.2675

■ 22.0847, 0.3865,
0.2675

■ 18.6438, 0.4091,
0.2578

■ 26.4486, 0.3667,
0.2791

■ 16.0542, 0.4341,
0.2512

■ 31.7935, 0.3497,
0.2915

■ 14.2391, 0.4605,
0.2488

■ 38.1766, 0.3354,
0.3040

■ 13.1058, 0.4868,
0.2517

■ 45.6496, 0.3235,
0.3162

■ 12.5131, 0.5096,
0.2581

■ 54.2609, 0.3136,
0.3278

■ 64.0557, 0.3055,
0.3387

■ 75.0771, 0.2988,
0.3487

■ 87.3657, 0.2933,
0.3579

■ 89.3445, 0.2878,
0.3487

Harmonies

Analogous

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



22.0847, 0.3021, 0.2275



22.0847, 0.3865, 0.2675



22.0847, 0.4538, 0.3209

Triad

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



22.0847, 0.3865, 0.2675



22.0847, 0.3831, 0.4768



22.0847, 0.1730, 0.2459

Complementary

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



22.0847, 0.3865, 0.2675



44.1458, 0.2739, 0.4031

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.



22.0847, 0.1880, 0.3127



22.0847, 0.3865, 0.2675



22.0847, 0.3058, 0.4688

Square

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



22.0847, 0.3865, 0.2675



22.0847, 0.4460, 0.4375



22.0847, 0.2345, 0.4014



22.0847, 0.1877, 0.2122

Rectangle

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



22.0847, 0.3865, 0.2675



22.0847, 0.4737, 0.3601



22.0847, 0.2345, 0.4014



22.0847, 0.1746, 0.2645

Sweetspot

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



22.0858, 0.3865, 0.2675



76.7391, 0.3282, 0.3112



18.6162, 0.2647, 0.1874



15.8078, 0.3308, 0.3085



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.



22.0858, 0.3865, 0.2675



33.2687, 0.4114, 0.2570



21.2546, 0.4558, 0.3316



10.1549, 0.3217, 0.3182



8.0555, 0.5063, 0.2563



0.3620, 0.4543, 0.2277

Inverse Universe

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



22.0858, 0.3865, 0.2675



33.2687, 0.4114, 0.2570



45.2137, 0.2466, 0.3264



10.1549, 0.3217, 0.3182



8.0555, 0.5063, 0.2563



0.3620, 0.4543, 0.2277

Previews

White Background



This preview shows how the Yxy color 22.0847, 0.3865, 0.2675 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 22.0847, 0.3865, 0.2675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

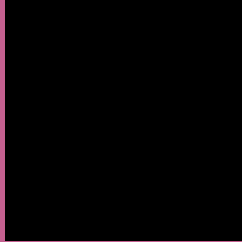
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0847, 0.3865, 0.2675

Background



This preview shows how black text looks on a background with the Yxy color 22.0847, 0.3865, 0.2675.



This preview shows how white text looks on a background with the Yxy color 22.0847, 0.3865, 0.2675.

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

22.0847, 0.3865, 0.2675

Protanopia

22.4458, 0.2698, 0.2699

Deuteranopia

22.2457, 0.3149, 0.3086



Tritanopia

22.1637, 0.4280, 0.3199

Trichromacy



Original Color

22.0847, 0.3865, 0.2675

Protanomaly

21.4188, 0.3061, 0.2668

Deuteranomaly

21.6285, 0.3398, 0.2898

Tritanomaly

21.9888, 0.4132, 0.2997

Monochromacy



Original Color

22.0847, 0.3865, 0.2675

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.6747, 0.3391, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0847, 0.3865, 0.2675 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, 96, 143)` looks like.

```
.text, #text, p{  
    color:rgb(196, 96, 143)  
}
```

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, 96, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 96, 143) }
```

Border

The CSS property to change the border of an element to Yxy 22.0847, 0.3865, 0.2675 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, 96, 143) }
```

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

```
.border{ border-color:rgb(196, 96, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 96, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 96, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 96, 143);  
box-shadow:4px 4px 4px 4px rgb(196, 96,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0847, 0.3865, 0.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 96, 143) }
```

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

```
.background{ background-color: rgb(196, 96,  
143) }
```

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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