

Converting Colors

$Y_{xy}(22.8967, 0.3661, 0.2251)$

Have a look what the booklet for
Yxy(22.8967, 0.3661, 0.2251)
contains.

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Color

Yxy(22.8667, 0.3658, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	D253AC
RGB	210, 83, 172
RGB Percent	82%, 33%, 67%
CMY	0.1766, 0.6744, 0.3256
CMYK	0.00, 0.60, 0.18, 0.18
HSL	318°, 58%, 57%
HSV	318°, 60%, 82%
XYZ	37.1102, 22.8667, 41.4725
YIQ	131.1190, 47.1230, 54.6030

Conversions

Conversions Part 2

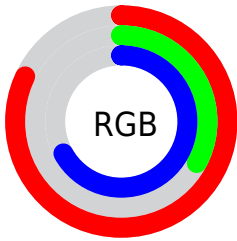
Format	Color
RYB	210, 83, 172
Decimal	13783980
CIELab	54.93, 59.69, -22.67
CIELCh	55, 63.853, 339.200
Yxy	22.8667, 0.3658, 0.2254
Android (android.graphics.Color)	4291974060 (0xFFD253AC)
YUV	131.1190, 20.1543, 69.1786
Hunter-Lab	47.8191, 54.8420, -17.9476

Details

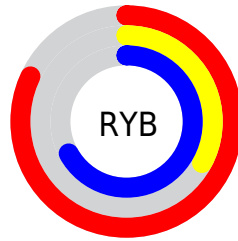
The Yxy color **22.8667, 0.3658, 0.2254** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **49.3029, 0.2852, 0.4678**, and the grayscale version is **22.6599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3267, 0.3420, 0.2404**, and **8.4399, 0.3823, 0.1956** is the 20% darker color. If you saturate the color by 10%, you get **19.8893, 0.3782, 0.2140**, and if you desaturate by 10%, it is **26.8306, 0.3542, 0.2401**.

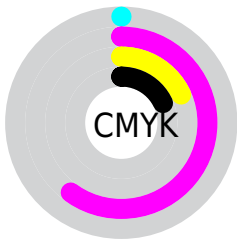
Distribution



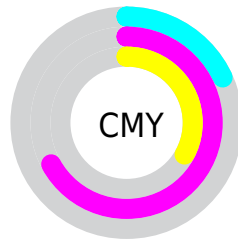
- Red (82%)
- Green (33%)
- Blue (67%)



- Red (82%)
- Yellow (33%)
- Blue (67%)



- Cyan (0%)
- Magenta (60%)
- Yellow (18%)
- Black (18%)




- Cyan (18%)
- Magenta (67%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8667, 0.3658, 0.2254 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 22.8667, 0.3658, 0.2254 by changing the saturation by 10% instead.


 22.8667, 0.3658,
0.2254


 22.8667, 0.3658,
0.2254


267.0396, 0.3386,
0.2781


 14.4951, 0.3727,
0.2121


 48.1744, 0.3558,
0.2447


 8.4658, 0.3816,
0.1951


 65.8792, 0.3521,
0.2519

 4.3944, 0.3935,
0.1727


 87.4639, 0.3489,
0.2580

 1.8966, 0.4099,
0.1421

 113.3130, 0.3463,
0.2632

 0.5463, 0.4364,
0.0930

143.8106, 0.3440,
0.2677

 0.0000, 0.4874,
0.0000

179.3414, 0.3420,

 0.0000, 0.0000,

0.2716

0.0000

220.2896, 0.3402,
0.2750

■ 22.8667, 0.3658,
0.2254

■ 22.8667, 0.3658,
0.2254

■ 19.8893, 0.3782,
0.2140

■ 26.8306, 0.3542,
0.2401

■ 17.8039, 0.3909,
0.2068

■ 31.8573, 0.3436,
0.2569

■ 16.5034, 0.4035,
0.2044

■ 38.0195, 0.3342,
0.2748

■ 15.8079, 0.4153,
0.2062

■ 45.3825, 0.3260,
0.2931

■ 54.0066, 0.3190,
0.3110

■ 63.9482, 0.3130,
0.3282

■ 75.2600, 0.3079,
0.3445

■ 87.9920, 0.3037,
0.3597

■ 90.8499, 0.3002,
0.3569

Harmonies

Analogous

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



22.8667, 0.2555, 0.1853



22.8667, 0.3658, 0.2254



22.8667, 0.4757, 0.2852

Triad

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



22.8667, 0.3658, 0.2254



22.8667, 0.4330, 0.5045



22.8667, 0.1358, 0.2427

Complementary

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



22.8667, 0.3658, 0.2254



49.3029, 0.2852, 0.4678

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.



22.8667, 0.1662, 0.3496



22.8667, 0.3658, 0.2254



22.8667, 0.3357, 0.5401

Square

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



22.8667, 0.3658, 0.2254



22.8667, 0.5069, 0.4303



22.8667, 0.2377, 0.4799



22.8667, 0.1412, 0.1872

Rectangle

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



22.8667, 0.3658, 0.2254



22.8667, 0.5199, 0.3310



22.8667, 0.2377, 0.4799



22.8667, 0.1416, 0.2724

Sweetspot

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



22.8678, 0.3658, 0.2254



73.2763, 0.3243, 0.2971



14.7666, 0.2239, 0.1481



14.8941, 0.3265, 0.2918



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.



22.8678, 0.3658, 0.2254



29.6338, 0.3824, 0.2110



21.0280, 0.4593, 0.2970



11.9462, 0.3183, 0.3128



9.6637, 0.4136, 0.2052



0.5540, 0.3926, 0.1937

Inverse Universe

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



22.8678, 0.3658, 0.2254



29.6338, 0.3824, 0.2110



51.3184, 0.2526, 0.3692



11.9462, 0.3183, 0.3128



9.6637, 0.4136, 0.2052



0.5540, 0.3926, 0.1937

Previews

White Background



This preview shows how the Yxy color 22.8667, 0.3658, 0.2254 looks on a white background.

Color Contrast Check

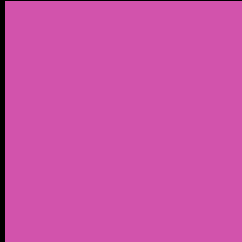
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8667, 0.3658, 0.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

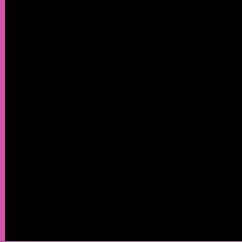
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8667, 0.3658, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 22.8667, 0.3658, 0.2254.



This preview shows how white text looks on a background with the Yxy color 22.8667, 0.3658, 0.2254.

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

22.8667, 0.3658, 0.2254

Protanopia

23.1381, 0.2241, 0.2088

Deuteranopia

23.0063, 0.2759, 0.2696



Tritanopia

22.8017, 0.4495, 0.3206

Trichromacy



Original Color

22.8667, 0.3658, 0.2254

Protanomaly

21.2793, 0.2617, 0.2078

Deuteranomaly

21.6846, 0.3048, 0.2451

Tritanomaly

22.5622, 0.4192, 0.2832

Monochromacy



Original Color

22.8667, 0.3658, 0.2254

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.5835, 0.3325, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8667, 0.3658, 0.2254 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(210, 83, 172)` looks like.

```
.text, #text, p{  
    color:rgb(210, 83, 172)  
}
```

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(210, 83, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 83, 172) }
```

Border

The CSS property to change the border of an element to Yxy 22.8667, 0.3658, 0.2254 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(210, 83, 172) }
```

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

```
.border{ border-color:rgb(210, 83, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 83, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 83, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 83, 172);  
box-shadow:4px 4px 4px 4px rgb(210, 83,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8667, 0.3658, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 83, 172) }
```

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

```
.background{ background-color: rgb(210, 83,  
172) }
```

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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