

Converting Colors

$Y_{xy}(22.7088, 0.3655, 0.2371)$

Have a look what the booklet for
Yxy(22.7088, 0.3655, 0.2371)
contains.

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Color

Yxy(22.7255, 0.3656, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	CB5AA5
RGB	203, 90, 165
RGB Percent	80%, 35%, 65%
CMY	0.2040, 0.6470, 0.3530
CMYK	0.00, 0.56, 0.19, 0.20
HSL	320°, 52%, 57%
HSV	320°, 56%, 80%
XYZ	35.0715, 22.7255, 38.1316
YIQ	132.3370, 43.2730, 47.2810

Conversions

Conversions Part 2

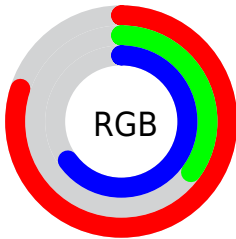
Format	Color
R _Y B	203, 90, 165
Decimal	13327013
CIE Lab	54.79, 53.50, -18.92
CIE LCh	55, 56.752, 340.521
Yxy	22.7255, 0.3656, 0.2369
Android (android.graphics.Color)	4291517093 (0xFFCB5AA5)
YUV	132.3370, 16.1029, 61.9715
Hunter-Lab	47.6713, 47.8968, -14.0554

Details

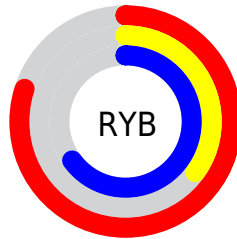
The Yxy color **22.7255, 0.3656, 0.2369** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **46.4360, 0.2840, 0.4476**, and the grayscale version is **23.1340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6781, 0.3488, 0.2533**, and **8.3910, 0.3825, 0.2087** is the 20% darker color. If you saturate the color by 10%, you get **19.5143, 0.3793, 0.2244**, and if you desaturate by 10%, it is **26.8870, 0.3530, 0.2520**.

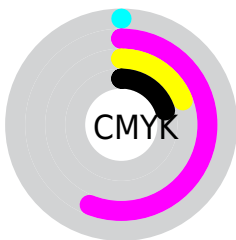
Distribution



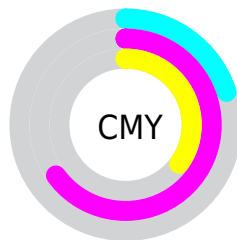
- Red (80%)
- Green (35%)
- Blue (65%)



- Red (80%)
- Yellow (35%)
- Blue (65%)



- Cyan (0%)
- Magenta (56%)
- Yellow (19%)
- Black (20%)




- Cyan (20%)
- Magenta (65%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7255, 0.3656, 0.2369 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 22.7255, 0.3656, 0.2369 by changing the saturation by 10% instead.


 22.7255, 0.3656,
0.2369


 22.7255, 0.3656,
0.2369

266.3120, 0.3379,
0.2845


 14.3910, 0.3729,
0.2247


 47.9422, 0.3553,
0.2545

 8.3931, 0.3824,
0.2088


 65.5931, 0.3515,
0.2610

 4.3475, 0.3954,
0.1875


 87.1183, 0.3483,
0.2665

 1.8698, 0.4139,
0.1576

 112.9022, 0.3456,
0.2711

 0.5301, 0.4462,
0.1061

143.3291, 0.3433,
0.2752

 0.0000, 0.5216,
0.0000

178.7834, 0.3413,

 0.0000, 0.0000,

0.2787

0.0000

219.6496, 0.3395,
0.2817

■ 22.7255, 0.3656,
0.2369

■ 22.7255, 0.3656,
0.2369

■ 19.5143, 0.3793,
0.2244

■ 26.8870, 0.3530,
0.2520

■ 17.1718, 0.3938,
0.2157

■ 32.0650, 0.3418,
0.2687

■ 15.6082, 0.4086,
0.2116

■ 38.3236, 0.3319,
0.2860

■ 14.7114, 0.4231,
0.2125

■ 45.7206, 0.3235,
0.3032

■ 14.4350, 0.4294,
0.2139

■ 54.3096, 0.3163,
0.3199

■ 64.1410, 0.3102,
0.3358

■ 75.2622, 0.3051,
0.3507

■ 87.7179, 0.3009,
0.3644

■ 89.7282, 0.2972,
0.3595

Harmonies

Analogous

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



22.7255, 0.2657, 0.1985



22.7255, 0.3656, 0.2369



22.7255, 0.4617, 0.2935

Triad

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



22.7255, 0.3656, 0.2369



22.7255, 0.4219, 0.4924



22.7255, 0.1502, 0.2497

Complementary

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



22.7255, 0.3656, 0.2369



46.4360, 0.2840, 0.4476

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.



22.7255, 0.1783, 0.3438



22.7255, 0.3656, 0.2369



22.7255, 0.3329, 0.5154

Square

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



22.7255, 0.3656, 0.2369



22.7255, 0.4883, 0.4289



22.7255, 0.2434, 0.4567



22.7255, 0.1561, 0.1990

Rectangle

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



22.7255, 0.3656, 0.2369



22.7255, 0.4999, 0.3367



22.7255, 0.2434, 0.4567



22.7255, 0.1555, 0.2763

Sweetspot

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



22.7266, 0.3656, 0.2369



74.4885, 0.3247, 0.3005



16.1916, 0.2380, 0.1654



15.3833, 0.3264, 0.2970



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.



22.7266, 0.3656, 0.2369



31.6801, 0.3825, 0.2221



21.1112, 0.4497, 0.3059



11.3371, 0.3188, 0.3137



9.2060, 0.4275, 0.2128



0.4887, 0.4016, 0.1986

Inverse Universe

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



22.7266, 0.3656, 0.2369



31.6801, 0.3825, 0.2221



48.3443, 0.2526, 0.3567



11.3371, 0.3188, 0.3137



9.2060, 0.4275, 0.2128



0.4887, 0.4016, 0.1986

Previews

White Background



This preview shows how the Yxy color 22.7255, 0.3656, 0.2369 looks on a white background.

Color Contrast Check

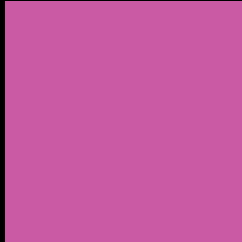
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7255, 0.3656, 0.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

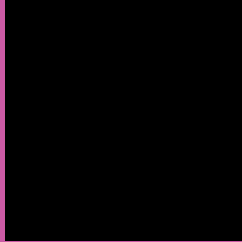
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7255, 0.3656, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 22.7255, 0.3656, 0.2369.



This preview shows how white text looks on a background with the Yxy color 22.7255, 0.3656, 0.2369.

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

22.7255, 0.3656, 0.2369

Protanopia

23.2204, 0.2371, 0.2269

Deuteranopia

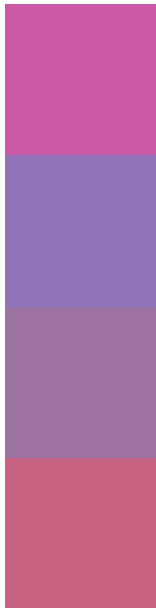
23.0290, 0.2844, 0.2791



Tritanopia

22.8321, 0.4341, 0.3202

Trichromacy



Original Color

22.7255, 0.3656, 0.2369

Protanomaly

21.6515, 0.2736, 0.2254

Deuteranomaly

22.0028, 0.3112, 0.2587

Tritanomaly

22.6264, 0.4097, 0.2878

Monochromacy



Original Color

22.7255, 0.3656, 0.2369

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.0053, 0.3320, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7255, 0.3656, 0.2369 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(203, 90, 165)` looks like.

```
.text, #text, p{  
    color:rgb(203, 90, 165)  
}
```

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(203, 90, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 90, 165) }
```

Border

The CSS property to change the border of an element to Yxy 22.7255, 0.3656, 0.2369 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(203, 90, 165) }
```

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

```
.border{ border-color:rgb(203, 90, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 90, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 90, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 90, 165);  
box-shadow:4px 4px 4px 4px rgb(203, 90,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7255, 0.3656, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 90, 165) }
```

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

```
.background{ background-color: rgb(203, 90,  
165) }
```

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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