

Converting Colors

$Y_{xy}(22.3812, 0.3230, 0.2039)$

Have a look what the booklet for
Yxy(22.3812, 0.3230, 0.2039)
contains.

Yxy(22.3431, 0.3233, 0.2041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.3431, 0.3233, 0.2041)

Conversions

Conversions Part 1

Format	Color
Hex	C358BF
RGB	195, 88, 191
RGB Percent	76%, 35%, 75%
CMY	0.2354, 0.6548, 0.2510
CMYK	0.00, 0.55, 0.02, 0.24
HSL	302°, 47%, 55%
HSV	302°, 55%, 76%
XYZ	35.3921, 22.3431, 51.7362
YIQ	131.7350, 30.7090, 54.7170

Conversions

Conversions Part 2

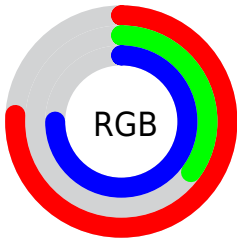
Format	Color
RYB	195, 88, 191
Decimal	12802239
CIELab	54.39, 56.31, -34.71
CIELCh	54, 66.149, 328.355
Yxy	22.3431, 0.3233, 0.2041
Android (android.graphics.Color)	4290992319 (0xFFC358BF)
YUV	131.7350, 29.2176, 55.4834
Hunter-Lab	47.2685, 50.9313, -31.8060

Details

The Yxy color **22.3431, 0.3233, 0.2041** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **41.8634, 0.3025, 0.4972**, and the grayscale version is **22.8622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4931, 0.3228, 0.2267**, and **8.2237, 0.3237, 0.1703** is the 20% darker color. If you saturate the color by 10%, you get **19.5268, 0.3252, 0.1872**, and if you desaturate by 10%, it is **26.0174, 0.3213, 0.2241**.

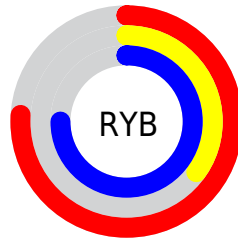
Distribution



Red (76%)

Green (35%)

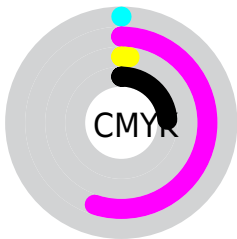
Blue (75%)



Red (76%)

Yellow (35%)

Blue (75%)

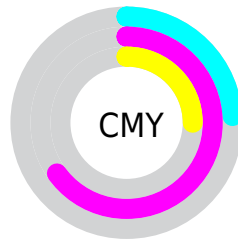


Cyan (0%)

Magenta (55%)

Yellow (2%)

Black (24%)



Cyan (24%)


Magenta (65%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3431, 0.3233, 0.2041 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 22.3431, 0.3233, 0.2041 by changing the saturation by 10% instead.


 22.3431, 0.3233,
0.2041


 22.3431, 0.3233,
0.2041


264.3328, 0.3202,
0.2663


 14.1092, 0.3233,
0.1890


 47.3124, 0.3228,
0.2265


 8.1967, 0.3227,
0.1700


 64.8166, 0.3224,
0.2350

 4.2211, 0.3209,
0.1456


 86.1798, 0.3220,
0.2422

 1.7980, 0.3165,
0.1139

 111.7862, 0.3216,
0.2484

 0.4859, 0.3078,
0.0656

142.0203, 0.3212,
0.2538

 0.0000, 0.2835,
0.0000

177.2665, 0.3208,

 0.0000, 0.0000,

0.2585

0.0000

217.9092, 0.3205,
0.2626

■ 22.3431, 0.3233,
0.2041

■ 22.3431, 0.3233,
0.2041

■ 19.5268, 0.3252,
0.1872

■ 26.0174, 0.3213,
0.2241

■ 17.4957, 0.3270,
0.1742

■ 30.6089, 0.3192,
0.2464

■ 16.1698, 0.3285,
0.1654

■ 36.1750, 0.3172,
0.2700

■ 15.4509, 0.3298,
0.1608

■ 42.7676, 0.3153,
0.2941

■ 15.2167, 0.3304,
0.1594

■ 50.4349, 0.3135,
0.3178

■ 59.2221, 0.3119,
0.3407

■ 69.1717, 0.3104,
0.3623

■ 80.3241, 0.3091,
0.3825

■ 87.1718, 0.3082,
0.3928

Harmonies

Analogous

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



22.3431, 0.2201, 0.1723



22.3431, 0.3233, 0.2041



22.3431, 0.4451, 0.2592

Triad

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



22.3431, 0.3233, 0.2041



22.3431, 0.4676, 0.4828



22.3431, 0.1365, 0.2722

Complementary

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



22.3431, 0.3233, 0.2041



41.8634, 0.3025, 0.4972

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.



22.3431, 0.1824, 0.4011



22.3431, 0.3233, 0.2041



22.3431, 0.3725, 0.5440

Square

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



22.3431, 0.3233, 0.2041



22.3431, 0.5297, 0.4027



22.3431, 0.2688, 0.5236



22.3431, 0.1300, 0.1970

Rectangle

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



22.3431, 0.3233, 0.2041



22.3431, 0.5079, 0.3040



22.3431, 0.2688, 0.5236



22.3431, 0.1470, 0.3100

Sweetspot

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



22.3441, 0.3233, 0.2041



74.8575, 0.3156, 0.2907



13.1785, 0.2106, 0.1567



15.8277, 0.3160, 0.2856



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.



22.3441, 0.3233, 0.2041



34.0789, 0.3256, 0.1840



20.4157, 0.3953, 0.2640



10.2409, 0.3143, 0.3071



9.8969, 0.3303, 0.1593



0.4297, 0.3280, 0.1581

Inverse Universe

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



22.3441, 0.3233, 0.2041



34.0789, 0.3256, 0.1840



43.1370, 0.2718, 0.4092



10.2409, 0.3143, 0.3071



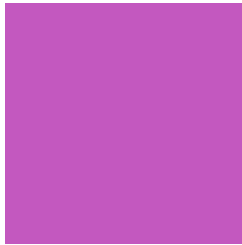
9.8969, 0.3303, 0.1593



0.4297, 0.3280, 0.1581

Previews

White Background



This preview shows how the Yxy color 22.3431, 0.3233, 0.2041 looks on a white background.

Color Contrast Check

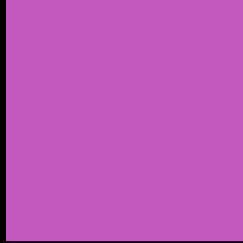
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3431, 0.3233, 0.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

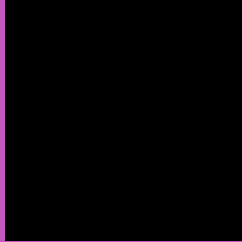
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3431, 0.3233, 0.2041

Background



This preview shows how black text looks on a background with the Yxy color 22.3431, 0.3233, 0.2041.



This preview shows how white text looks on a background with the Yxy color 22.3431, 0.3233, 0.2041.

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

22.3431, 0.3233, 0.2041

Protanopia

22.6897, 0.2063, 0.1857

Deuteranopia

22.5407, 0.2451, 0.2396



Tritanopia

22.1923, 0.4098, 0.3180

Trichromacy



Original Color

22.3431, 0.3233, 0.2041



Protanomaly

21.1264, 0.2351, 0.1863



Deuteranomaly

21.3733, 0.2687, 0.2197



Tritanomaly

21.9163, 0.3764, 0.2705

Monochromacy



Original Color

22.3431, 0.3233, 0.2041



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.7593, 0.3179, 0.2711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3431, 0.3233, 0.2041 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(195, 88, 191)` looks like.

```
.text, #text, p{  
    color:rgb(195, 88, 191)  
}
```

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(195, 88, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 88, 191) }
```

Border

The CSS property to change the border of an element to Yxy 22.3431, 0.3233, 0.2041 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(195, 88, 191) }
```

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

```
.border{ border-color:rgb(195, 88, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 88, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 88, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 88, 191); box-shadow:4px 4px 4px 4px rgb(195, 88, 191) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3431, 0.3233, 0.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 88, 191) }
```

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

```
.background{ background-color: rgb(195, 88,  
191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor