

Converting Colors

Yxy(29.9483, 0.3440, 0.2272)

Have a look what the booklet for
Yxy(29.9483, 0.3440, 0.2272)
contains.

Yxy(30.1222, 0.3439, 0.2273)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.1222, 0.3439, 0.2273)

Conversions

Conversions Part 1

Format	Color
Hex	DE6BC6
RGB	222, 107, 198
RGB Percent	87%, 42%, 78%
CMY	0.1294, 0.5804, 0.2236
CMYK	0.00, 0.52, 0.11, 0.13
HSL	313°, 64%, 65%
HSV	313°, 52%, 87%
XYZ	45.5742, 30.1222, 56.8253
YIQ	151.7590, 39.3290, 52.6810

Conversions

Conversions Part 2

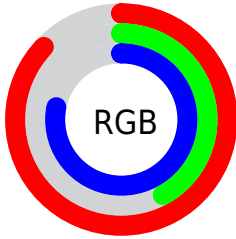
Format	Color
R _Y B	222, 107, 198
Decimal	14576582
CIE Lab	61.76, 56.18, -26.96
CIE LCh	62, 62.311, 334.367
Yxy	30.1222, 0.3439, 0.2273
Android (android.graphics.Color)	4292766662 (0xFFDE6BC6)
YUV	151.7590, 22.7968, 61.6014
Hunter-Lab	54.8837, 52.1761, -22.9689

Details

The Yxy color **30.1222, 0.3439, 0.2273** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **57.0118, 0.2929, 0.4602**, and the grayscale version is **31.1785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3207, 0.3170, 0.2384**, and **12.2738, 0.3505, 0.1998** is the 20% darker color. If you saturate the color by 10%, you get **25.8626, 0.3519, 0.2115**, and if you desaturate by 10%, it is **35.5793, 0.3364, 0.2456**.

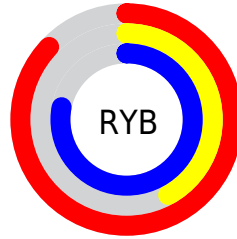
Distribution



Red (87%)

Green (42%)

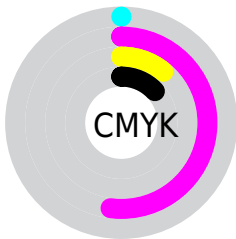
Blue (78%)



Red (87%)

Yellow (42%)

Blue (78%)

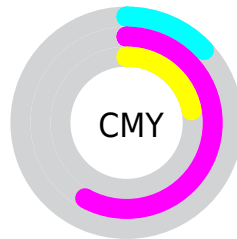


Cyan (0%)

Magenta (52%)

Yellow (11%)

Black (13%)



Cyan (13%)


Magenta (58%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1222, 0.3439, 0.2273 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 30.1222, 0.3439, 0.2273 by changing the saturation by 10% instead.


 30.1222, 0.3439,
0.2273


 30.1222, 0.3439,
0.2273


302.4736, 0.3293,
0.2768


 19.9314, 0.3472,
0.2155

 59.8554, 0.3389,
0.2449


 12.3452, 0.3511,
0.2006


 80.1665, 0.3369,
0.2517

 6.9792, 0.3560,
0.1816


 104.6198, 0.3352,
0.2574

 3.4491, 0.3619,
0.1564

 133.5998, 0.3337,
0.2624

 1.3704, 0.3689,
0.1223

167.4908, 0.3324,
0.2667

 0.1948, 0.3890,
0.0426

206.6771, 0.3313,

 0.0000, 0.3614,

0.2705

0.0000

251.5433, 0.3303,
0.2738

0.0000, 0.0000,
0.0000

30.1222, 0.3439,
0.2273

30.1222, 0.3439,
0.2273

25.8626, 0.3519,
0.2115

35.5793, 0.3364,
0.2456

22.7033, 0.3602,
0.1993

42.3128, 0.3296,
0.2654

20.5390, 0.3685,
0.1913

50.3998, 0.3235,
0.2857

19.2418, 0.3765,
0.1880

59.9099, 0.3181,
0.3060

18.6503, 0.3829,
0.1883

70.9080, 0.3135,
0.3256

■ 83.4553, 0.3095,
0.3442

■ 92.7890, 0.3064,
0.3543

■ 93.0538, 0.3038,
0.3494

■ 93.3256, 0.3012,
0.3446

Harmonies

Analogous

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



30.1222, 0.2482, 0.1936



30.1222, 0.3439, 0.2273



30.1222, 0.4446, 0.2809

Triad

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



30.1222, 0.3439, 0.2273



30.1222, 0.4381, 0.4810



30.1222, 0.1531, 0.2655

Complementary

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



30.1222, 0.3439, 0.2273



57.0118, 0.2929, 0.4602

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.



30.1222, 0.1887, 0.3673



30.1222, 0.3439, 0.2273



30.1222, 0.3519, 0.5164

Square

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



30.1222, 0.3439, 0.2273



30.1222, 0.4969, 0.4146



30.1222, 0.2606, 0.4754



30.1222, 0.1524, 0.2062

Rectangle

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



30.1222, 0.3439, 0.2273



30.1222, 0.4911, 0.3231



30.1222, 0.2606, 0.4754



30.1222, 0.1608, 0.2952

Sweetspot

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



30.1236, 0.3439, 0.2273



76.1375, 0.3203, 0.2973



20.5373, 0.2308, 0.1714



15.7218, 0.3214, 0.2931



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.



30.1236, 0.3439, 0.2273



35.0631, 0.3525, 0.2106



27.9856, 0.4152, 0.2888



13.8840, 0.3170, 0.3106



11.0939, 0.3818, 0.1877



0.7814, 0.3706, 0.1815

Inverse Universe

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



30.1236, 0.3439, 0.2273



35.0631, 0.3525, 0.2106



58.9818, 0.2630, 0.3764



13.8840, 0.3170, 0.3106



11.0939, 0.3818, 0.1877



0.7814, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 30.1222, 0.3439, 0.2273 looks on a white background.

Color Contrast Check

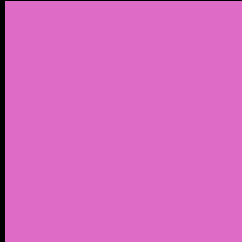
Large Text (above 18pt) WCAG AA × Fail

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 30.1222, 0.3439, 0.2273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

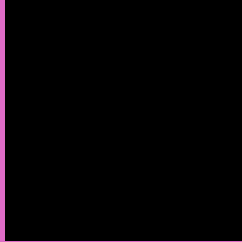
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1222, 0.3439, 0.2273

Background



This preview shows how black text looks on a background with the Yxy color 30.1222, 0.3439, 0.2273.



This preview shows how white text looks on a background with the Yxy color 30.1222, 0.3439, 0.2273.

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

30.1222, 0.3439, 0.2273

Protanopia

30.5176, 0.2290, 0.2162

Deuteranopia

30.3798, 0.2698, 0.2644



Tritanopia

30.0048, 0.4145, 0.3182

Trichromacy



Original Color

30.1222, 0.3439, 0.2273



Protanomaly

28.7326, 0.2606, 0.2151



Deuteranomaly

29.0555, 0.2932, 0.2449



Tritanomaly

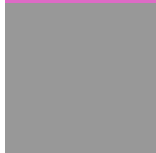
29.9946, 0.3893, 0.2835

Monochromacy



Original Color

30.1222, 0.3439, 0.2273



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.8200, 0.3235, 0.2829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1222, 0.3439, 0.2273 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(222, 107, 198)` looks like.

```
.text, #text, p{  
    color:rgb(222, 107, 198)  
}
```

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(222, 107, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 107, 198) }
```

Border

The CSS property to change the border of an element to Yxy 30.1222, 0.3439, 0.2273 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(222, 107, 198) }
```

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

```
.border{ border-color:rgb(222, 107, 198) }
```

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

Here you see how a box with a 4 pixel rgb(222, 107, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 107, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 107, 198);  
box-shadow:4px 4px 4px 4px rgb(222, 107,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1222, 0.3439, 0.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 107, 198) }
```

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

```
.background{ background-color: rgb(222,  
107, 198) }
```

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