

Converting Colors

$Y_{xy}(29.4981, 0.3113, 0.2230)$

Have a look what the booklet for
Yxy(29.4981, 0.3113, 0.2230)
contains.

Yxy(29.5552, 0.3104, 0.2228)	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(29.5552, 0.3104, 0.2228)

Conversions

Conversions Part 1

Format	Color
Hex	C776CE
RGB	199, 118, 206
RGB Percent	78%, 46%, 81%
CMY	0.2195, 0.5373, 0.1922
CMYK	0.03, 0.43, 0.00, 0.19
HSL	295°, 47%, 64%
HSV	295°, 43%, 81%
XYZ	41.1756, 29.5552, 61.9227
YIQ	152.2510, 20.0280, 44.5400

Conversions

Conversions Part 2

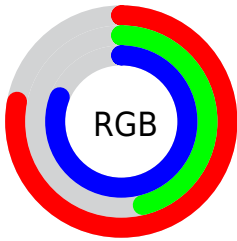
Format	Color
R_{YB}	199, 118, 206
Decimal	13072078
CIE _{Lab}	61.27, 45.28, -32.48
CIE _{LCh}	61, 55.721, 324.345
Yxy	29.5552, 0.3104, 0.2228
Android (android.graphics.Color)	4291262158 (0xFFC776CE)
YUV	152.2510, 26.4983, 40.9989
Hunter-Lab	54.3647, 40.0571, -29.4774

Details

The Yxy color **29.5552, 0.3104, 0.2228** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **49.8048, 0.3113, 0.4587**, and the grayscale version is **31.3909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **11.9704, 0.3071, 0.1949** is the 20% darker color. If you saturate the color by 10%, you get **25.0015, 0.3092, 0.2004**, and if you desaturate by 10%, it is **35.1732, 0.3113, 0.2471**.

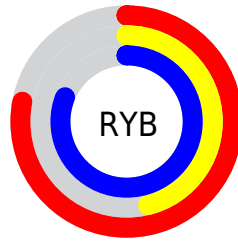
Distribution



Red (78%)

Green (46%)

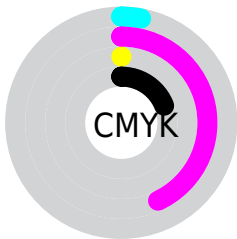
Blue (81%)



Red (78%)

Yellow (46%)

Blue (81%)

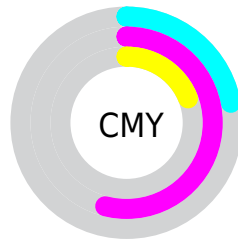


Cyan (3%)

Magenta (43%)

Yellow (0%)

Black (19%)



Cyan (22%)


Magenta (54%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5552, 0.3104, 0.2228 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 29.5552, 0.3104, 0.2228 by changing the saturation by 10% instead.


 29.5552, 0.3104,
0.2228


 29.5552, 0.3104,
0.2228


299.8256, 0.3134,
0.2747


 19.5012, 0.3091,
0.2104


 58.9580, 0.3119,
0.2413

 12.0330, 0.3070,
0.1949


 79.0757, 0.3124,
0.2483

 6.7662, 0.3037,
0.1750


 103.3167, 0.3127,
0.2543

 3.3163, 0.2980,
0.1489

132.0654, 0.3129,
0.2595

 1.2990, 0.2874,
0.1138

165.7063, 0.3131,
0.2640

 0.1404, 0.2759,
0.0297

204.6237, 0.3132,

 0.0000, 0.1306,

0.2680

0.0000

249.2020, 0.3133,
0.2715

0.0000, 0.0000,
0.0000

29.5552, 0.3104,
0.2228

29.5552, 0.3104,
0.2228

25.0015, 0.3092,
0.2004

35.1732, 0.3113,
0.2471

21.4385, 0.3078,
0.1809

41.9150, 0.3120,
0.2724

18.7894, 0.3062,
0.1651

49.8403, 0.3124,
0.2977

16.9646, 0.3043,
0.1536

59.0034, 0.3127,
0.3225

15.8561, 0.3024,
0.1464

69.4555, 0.3128,
0.3460

■ 15.3613, 0.3009,
0.1432

■ 81.2445, 0.3127,
0.3681

■ 89.7431, 0.3130,
0.3816

■ 89.9845, 0.3140,
0.3814

■ 90.2284, 0.3150,
0.3813

Harmonies

Analogous

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



29.5552, 0.2309, 0.1988



29.5552, 0.3104, 0.2228



29.5552, 0.4036, 0.2675

Triad

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



29.5552, 0.3104, 0.2228



29.5552, 0.4507, 0.4515



29.5552, 0.1736, 0.3000

Complementary

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



29.5552, 0.3104, 0.2228



49.8048, 0.3113, 0.4587

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.



29.5552, 0.2193, 0.3984



29.5552, 0.3104, 0.2228



29.5552, 0.3788, 0.4938

Square

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



29.5552, 0.3104, 0.2228



29.5552, 0.4890, 0.3891



29.5552, 0.2942, 0.4799



29.5552, 0.1618, 0.2316

Rectangle

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



29.5552, 0.3104, 0.2228



29.5552, 0.4553, 0.3053



29.5552, 0.2942, 0.4799



29.5552, 0.1850, 0.3308

Sweetspot

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



29.5565, 0.3104, 0.2228



80.1482, 0.3124, 0.2966



23.0572, 0.2351, 0.2086



16.5084, 0.3123, 0.2910



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.



29.5565, 0.3104, 0.2228



41.2327, 0.3094, 0.2027



28.9532, 0.3579, 0.2649



11.3568, 0.3125, 0.3061



9.4793, 0.3013, 0.1433



0.5027, 0.3053, 0.1456

Inverse Universe

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



27.5561, 0.4142, 0.3204



37.6710, 0.4483, 0.3189



50.3459, 0.2846, 0.4044



11.2279, 0.3278, 0.3272



8.1094, 0.6305, 0.3247



0.4235, 0.6006, 0.3082

Previews

White Background



This preview shows how the Yxy color 29.5552, 0.3104, 0.2228 looks on a white background.

Color Contrast Check

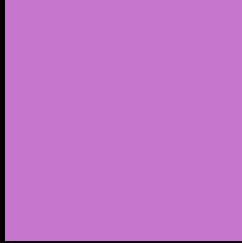
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5552, 0.3104, 0.2228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

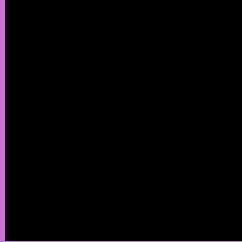
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5552, 0.3104, 0.2228

Background



This preview shows how black text looks on a background with the Yxy color 29.5552, 0.3104, 0.2228.



This preview shows how white text looks on a background with the Yxy color 29.5552, 0.3104, 0.2228.

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

29.5552, 0.3104, 0.2228

Protanopia

30.0108, 0.2280, 0.2155

Deuteranopia

29.7614, 0.2549, 0.2487



Tritanopia

29.5319, 0.3698, 0.3155

Trichromacy



Original Color

29.5552, 0.3104, 0.2228



Protanomaly

28.9787, 0.2514, 0.2158



Deuteranomaly

29.0882, 0.2724, 0.2366



Tritanomaly

29.3647, 0.3478, 0.2788

Monochromacy



Original Color

29.5552, 0.3104, 0.2228



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

30.1697, 0.3117, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5552, 0.3104, 0.2228 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(199, 118, 206)` looks like.

```
.text, #text, p{  
    color:rgb(199, 118, 206)  
}
```

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(199, 118, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 118, 206) }
```

Border

The CSS property to change the border of an element to Yxy 29.5552, 0.3104, 0.2228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

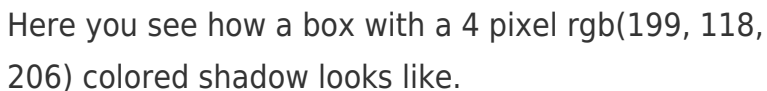
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 118, 206) }
```

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

```
.border{ border-color:rgb(199, 118, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 118, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 118, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 118, 206);  
box-shadow:4px 4px 4px 4px rgb(199, 118,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5552, 0.3104, 0.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 118, 206) }
```

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

```
.background{ background-color: rgb(199,  
118, 206) }
```

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