

Converting Colors

$Y_{xy}(28.9854, 0.2721, 0.2221)$

Have a look what the booklet for
Yxy(28.9854, 0.2721, 0.2221)
contains.

Yxy(28.9854, 0.2721, 0.2221)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.9854, 0.2721, 0.2221)

Conversions

Conversions Part 1

Format	Color
Hex	A583D4
RGB	165, 131, 212
RGB Percent	65%, 51%, 83%
CMY	0.3531, 0.4862, 0.1686
CMYK	0.22, 0.38, 0.00, 0.17
HSL	265°, 48%, 67%
HSV	265°, 38%, 83%
XYZ	35.5107, 28.9854, 66.0100
YIQ	150.4000, -5.7370, 32.3990

Conversions

Conversions Part 2

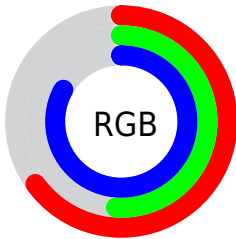
Format	Color
RYB	165, 131, 212
Decimal	10847188
CIELab	60.77, 29.22, -36.91
CIElCh	61, 47.074, 308.364
Yxy	28.9854, 0.2721, 0.2221
Android (android.graphics.Color)	4289037268 (0xFFA583D4)
YUV	150.4000, 30.3688, 12.8042
Hunter-Lab	53.8381, 23.5190, -35.0078

Details

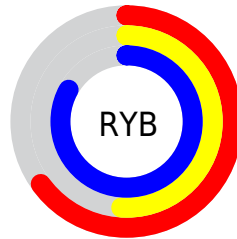
The Yxy color **28.9854, 0.2721, 0.2221** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **58.1980, 0.3421, 0.4327**, and the grayscale version is **30.5479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8731, 0.2902, 0.2539**, and **11.6987, 0.2571, 0.1930** is the 20% darker color. If you saturate the color by 10%, you get **22.6045, 0.2582, 0.1913**, and if you desaturate by 10%, it is **36.6608, 0.2847, 0.2525**.

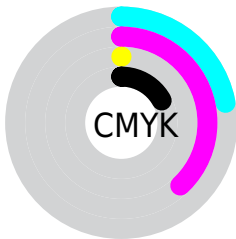
Distribution



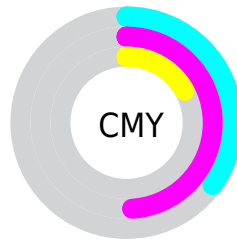
- Red (65%)
- Green (51%)
- Blue (83%)



- Red (65%)
- Yellow (51%)
- Blue (83%)



- Cyan (22%)
- Magenta (38%)
- Yellow (0%)
- Black (17%)





- Cyan (35%)
- Magenta (49%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9854, 0.2721, 0.2221 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 28.9854, 0.2721, 0.2221 by changing the saturation by 10% instead.

 28.9854, 0.2721,
0.2221


 28.9854, 0.2721,
0.2221

297.1461, 0.2946,
0.2751


 19.0698, 0.2659,
0.2093


 58.0539, 0.2808,
0.2411

 11.7207, 0.2575,
0.1932


 77.9755, 0.2839,
0.2483

 6.5538, 0.2460,
0.1724


 102.0013, 0.2865,
0.2545

 3.1847, 0.2291,
0.1451

130.5156, 0.2886,
0.2597

 1.2289, 0.2029,
0.1085

163.9029, 0.2905,
0.2643

 0.0851, 0.1668,
0.0179

202.5474, 0.2921,

 0.0000, 0.0000,

0.2683

0.0000

246.8337, 0.2934,
0.2719

■ 28.9854, 0.2721,
0.2221

■ 28.9854, 0.2721,
0.2221

■ 22.6045, 0.2582,
0.1913

■ 36.6608, 0.2847,
0.2525

■ 17.4395, 0.2435,
0.1615

■ 45.6962, 0.2960,
0.2815

■ 13.4086, 0.2284,
0.1342


■ 56.1566, 0.3057,
0.3086


■ 10.4175, 0.2138,
0.1112


■ 68.1018, 0.3141,
0.3333

■ 8.3563, 0.2004,
0.0937


■ 81.5881, 0.3212,
0.3556

 7.0645, 0.1887,
0.0820

 94.5975, 0.3276,
0.3725

 6.8703, 0.1867,
0.0802

 96.8126, 0.3356,
0.3714

 97.5335, 0.3382,
0.3711

Harmonies

Analogous

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



28.9854, 0.2150, 0.2127



28.9854, 0.2721, 0.2221



28.9854, 0.3488, 0.2528

Triad

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



28.9854, 0.2721, 0.2221



28.9854, 0.4551, 0.4107



28.9854, 0.2101, 0.3485

Complementary

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



28.9854, 0.2721, 0.2221



58.1980, 0.3421, 0.4327

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.



28.9854, 0.2660, 0.4282



28.9854, 0.2721, 0.2221



28.9854, 0.4078, 0.4568

Square

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



28.9854, 0.2721, 0.2221



28.9854, 0.4628, 0.3545



28.9854, 0.3384, 0.4698



28.9854, 0.1828, 0.2742

Rectangle

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



28.9854, 0.2721, 0.2221



28.9854, 0.4002, 0.2826



28.9854, 0.3384, 0.4698



28.9854, 0.2259, 0.3765

Sweetspot

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



28.9866, 0.2721, 0.2221



80.4306, 0.3030, 0.3009



41.5239, 0.2530, 0.2823



16.7405, 0.3017, 0.2972



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.



28.9866, 0.2721, 0.2221



35.8588, 0.2607, 0.1966



34.0062, 0.3105, 0.2334



12.2605, 0.3046, 0.3054



4.2974, 0.1882, 0.0810



0.3072, 0.2079, 0.0919

Inverse Universe

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



33.4515, 0.3519, 0.2718



43.7992, 0.3640, 0.2596



54.1097, 0.3119, 0.4431



12.5406, 0.3201, 0.3155



9.5465, 0.4609, 0.2313



0.5922, 0.4302, 0.2144

Previews

White Background



This preview shows how the Yxy color 28.9854, 0.2721, 0.2221 looks on a white background.

Color Contrast Check

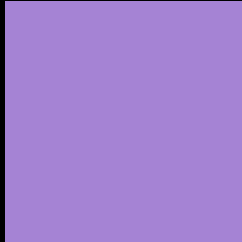
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9854, 0.2721, 0.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

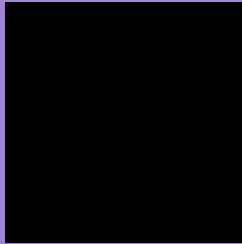
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9854, 0.2721, 0.2221

Background



This preview shows how black text looks on a background with the Yxy color 28.9854, 0.2721, 0.2221.



This preview shows how white text looks on a background with the Yxy color 28.9854, 0.2721, 0.2221.

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

28.9854, 0.2721, 0.2221

Protanopia

29.1962, 0.2307, 0.2180

Deuteranopia

29.0652, 0.2418, 0.2359



Tritanopia

28.9466, 0.3146, 0.3121

Trichromacy



Original Color

28.9854, 0.2721, 0.2221

Protanomaly

28.8140, 0.2440, 0.2185

Deuteranomaly

28.8126, 0.2516, 0.2302

Tritanomaly

28.9313, 0.2987, 0.2763

Monochromacy



Original Color

28.9854, 0.2721, 0.2221

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.6306, 0.2966, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9854, 0.2721, 0.2221 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(165, 131, 212)` looks like.

```
.text, #text, p{  
    color:rgb(165, 131, 212)  
}
```

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(165, 131, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 131, 212) }
```

Border

The CSS property to change the border of an element to Yxy 28.9854, 0.2721, 0.2221 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(165, 131, 212) }
```

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

```
.border{ border-color:rgb(165, 131, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 131, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 131, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 131, 212); box-shadow:4px 4px 4px 4px rgb(165, 131, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9854, 0.2721, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 131, 212) }
```

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

```
.background{ background-color: rgb(165,  
131, 212) }
```

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