

Converting Colors

$Y_{xy}(28.7081, 0.2489, 0.2181)$

Have a look what the booklet for
Yxy(28.7081, 0.2489, 0.2181)
contains.

Yxy(28.7041, 0.2489, 0.2181)	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(28.7041, 0.2489, 0.2181)

Conversions

Conversions Part 1

Format	Color
Hex	8E89DA
RGB	142, 137, 218
RGB Percent	56%, 54%, 85%
CMY	0.4431, 0.4627, 0.1451
CMYK	0.35, 0.37, 0.00, 0.15
HSL	244°, 52%, 70%
HSV	244°, 37%, 85%
XYZ	32.7577, 28.7041, 70.1480
YIQ	147.7290, -23.0210, 26.2510

Conversions

Conversions Part 2

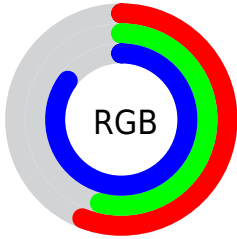
Format	Color
RYB	142, 137, 218
Decimal	9341402
CIELab	60.52, 20.73, -40.81
CIELCh	61, 45.771, 296.936
Yxy	28.7041, 0.2489, 0.2181
Android (android.graphics.Color)	4287531482 (0xFF8E89DA)
YUV	147.7290, 34.6436, -5.0243
Hunter-Lab	53.5762, 15.3805, -40.1258

Details

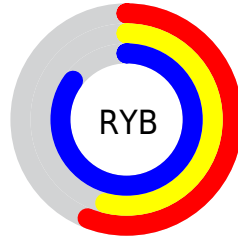
The Yxy color **28.7041, 0.2489, 0.2181** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.0979, 0.3643, 0.4222**, and the grayscale version is **29.3573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0527, 0.2740, 0.2570**, and **11.5354, 0.2276, 0.1869** is the 20% darker color. If you saturate the color by 10%, you get **21.4746, 0.2282, 0.1830**, and if you desaturate by 10%, it is **37.5198, 0.2685, 0.2518**.

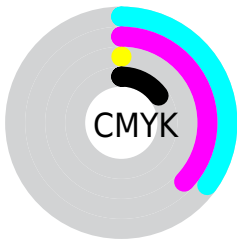
Distribution



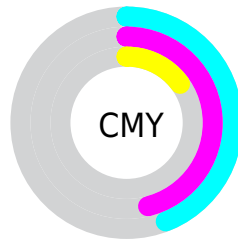
- Red (56%)
- Green (54%)
- Blue (85%)



- Red (56%)
- Yellow (54%)
- Blue (85%)



- Cyan (35%)
- Magenta (37%)
- Yellow (0%)
- Black (15%)



- Cyan (44%)
- Magenta (46%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.7041, 0.2489, 0.2181 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 28.7041, 0.2489, 0.2181 by changing the saturation by 10% instead.

■ 28.7041, 0.2489,
0.2181

■ 28.7041, 0.2489,
0.2181

■ 295.8163, 0.2831,
0.2734

■ 18.8571, 0.2399,
0.2047

■ 57.6066, 0.2617,
0.2380

■ 11.5671, 0.2281,
0.1878

■ 77.4309, 0.2664,
0.2455

■ 6.4496, 0.2122,
0.1662

■ 101.3498, 0.2704,
0.2519

■ 3.1204, 0.1900,
0.1379

■ 129.7476, 0.2737,
0.2574

■ 1.1949, 0.1576,
0.1005

■ 163.0088, 0.2765,
0.2622

■ 0.0575, 0.1090,
0.0112

■ 201.5177, 0.2790,

■ 0.0000, 0.0000,

0.2664

0.0000

245.6587, 0.2811,
0.2701

■ 28.7041, 0.2489,
0.2181

■ 28.7041, 0.2489,
0.2181

■ 21.4746, 0.2282,
0.1830

■ 37.5198, 0.2685,
0.2518

■ 15.7340, 0.2075,
0.1485

■ 48.0047, 0.2865,
0.2830

■ 11.3793, 0.1883,
0.1170

■ 60.2399, 0.3025,
0.3110

■ 8.2932, 0.1720,
0.0911

■ 74.3005, 0.3165,
0.3357

■ 6.3388, 0.1600,
0.0728

■ 90.2568, 0.3286,
0.3572

■ 5.3383, 0.1529,
0.0628

■ 97.8423, 0.3345,
0.3651

■ 5.1517, 0.1516,
0.0609

Harmonies

Analogous

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



28.7041, 0.2026, 0.2180



28.7041, 0.2489, 0.2181



28.7041, 0.3183, 0.2408

Triad

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



28.7041, 0.2489, 0.2181



28.7041, 0.4601, 0.3889



28.7041, 0.2304, 0.3792

Complementary

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



28.7041, 0.2489, 0.2181



66.0979, 0.3643, 0.4222

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.



28.7041, 0.2933, 0.4472



28.7041, 0.2489, 0.2181



28.7041, 0.4270, 0.4394

Square

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



28.7041, 0.2489, 0.2181



28.7041, 0.4495, 0.3333



28.7041, 0.3654, 0.4671



28.7041, 0.1923, 0.3006

Rectangle

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



28.7041, 0.2489, 0.2181



28.7041, 0.3702, 0.2662



28.7041, 0.3654, 0.4671



28.7041, 0.2492, 0.4054

Sweetspot

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



28.7052, 0.2489, 0.2181



78.7372, 0.2964, 0.3003



58.4519, 0.2603, 0.3237



16.3394, 0.2943, 0.2965



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.



28.7052, 0.2489, 0.2181



32.2849, 0.2319, 0.1892



32.8441, 0.2829, 0.2278



12.6555, 0.2990, 0.3049



3.1020, 0.1520, 0.0611



0.2148, 0.1582, 0.0645

Inverse Universe

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



37.6013, 0.3216, 0.2425



46.8603, 0.3239, 0.2246



60.8886, 0.3334, 0.4326



13.2602, 0.3147, 0.3074



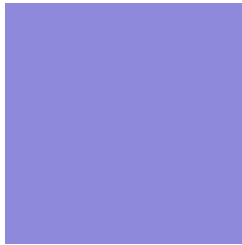
11.5624, 0.3370, 0.1630



0.7534, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 28.7041, 0.2489, 0.2181 looks on a white background.

Color Contrast Check

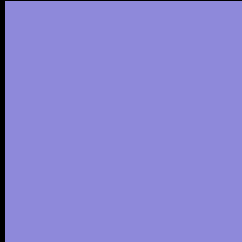
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7041, 0.2489, 0.2181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

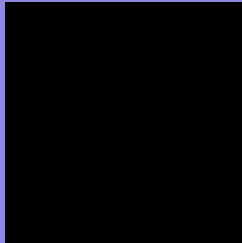
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7041, 0.2489, 0.2181

Background



This preview shows how black text looks on a background with the Yxy color 28.7041, 0.2489, 0.2181.



This preview shows how white text looks on a background with the Yxy color 28.7041, 0.2489, 0.2181.

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

28.7041, 0.2489, 0.2181

Protanopia

28.7545, 0.2292, 0.2162

Deuteranopia

28.8535, 0.2322, 0.2264



Tritanopia

28.7352, 0.2825, 0.3095

Trichromacy



Original Color

28.7041, 0.2489, 0.2181

Protanomaly

28.7058, 0.2359, 0.2172

Deuteranomaly

28.7157, 0.2377, 0.2227

Tritanomaly

28.6965, 0.2695, 0.2723

Monochromacy



Original Color

28.7041, 0.2489, 0.2181

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.0746, 0.2878, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7041, 0.2489, 0.2181 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(142, 137, 218)` looks like.

```
.text, #text, p{  
    color:rgb(142, 137, 218)  
}
```

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(142, 137, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 137, 218) }
```

Border

The CSS property to change the border of an element to Yxy 28.7041, 0.2489, 0.2181 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(142, 137, 218) }
```

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

```
.border{ border-color:rgb(142, 137, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 137, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 137, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 137, 218);  
box-shadow:4px 4px 4px 4px rgb(142, 137,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7041, 0.2489, 0.2181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 137, 218) }
```

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

```
.background{ background-color: rgb(142,  
137, 218) }
```

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