

Converting Colors

$Y_{xy}(28.6742, 0.2243, 0.1753)$

Have a look what the booklet for
Yxy(28.6742, 0.2243, 0.1753)
contains.

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Color

Yxy(28.6742, 0.2243, 0.1753)

Conversions

Conversions Part 1

Format	Color
Hex	8B82FF
RGB	139, 130, 255
RGB Percent	55%, 51%, 100%
CMY	0.4546, 0.4903, 0.0000
CMYK	0.45, 0.49, 0.00, 0.00
HSL	244°, 100%, 75%
HSV	244°, 49%, 100%
XYZ	36.6892, 28.6742, 98.2087
YIQ	146.9410, -34.7610, 40.7830

Conversions

Conversions Part 2

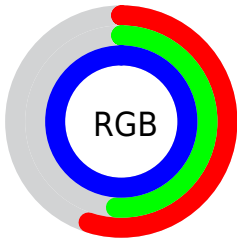
Format	Color
RYB	139, 130, 255
Decimal	9143039
CIELab	60.49, 34.35, -61.35
CIElCh	60, 70.313, 299.240
Yxy	28.6742, 0.2243, 0.1753
Android (android.graphics.Color)	4287333119 (0xFF8B82FF)
YUV	146.9410, 53.2731, -6.9643
Hunter-Lab	53.5483, 28.5918, -71.2553

Details

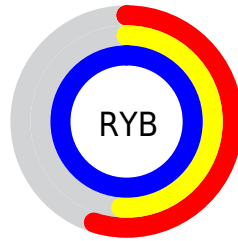
The Yxy color **28.6742, 0.2243, 0.1753** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.7056, 0.3786, 0.4514**, and the grayscale version is **28.9430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0927, 0.2734, 0.2491**, and **11.6216, 0.1988, 0.1415** is the 20% darker color. If you saturate the color by 10%, you get **20.8915, 0.2037, 0.1410**, and if you desaturate by 10%, it is **38.5793, 0.2451, 0.2106**.

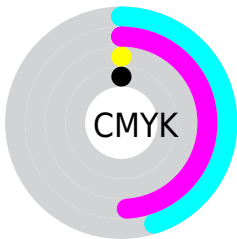
Distribution



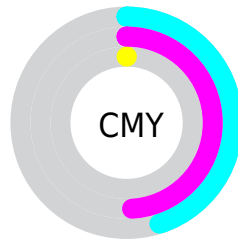
- Red (55%)
- Green (51%)
- Blue (100%)



- Red (55%)
- Yellow (51%)
- Blue (100%)



- Cyan (45%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6742, 0.2243, 0.1753 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 28.6742, 0.2243, 0.1753 by changing the saturation by 10% instead.


 28.6742, 0.2243,
0.1753


 28.6742, 0.2243,
0.1753


295.6746, 0.2707,
0.2475

 18.8345, 0.2127,
0.1594


 57.5590, 0.2413,
0.2001

 11.5508, 0.1981,
0.1403


 77.3730, 0.2476,
0.2098

 6.4386, 0.1793,
0.1174


 101.2805, 0.2530,
0.2183

 3.1135, 0.1547,
0.0900

129.6659, 0.2576,
0.2256

 1.1913, 0.1223,
0.0585

162.9136, 0.2615,
0.2321

 0.0546, 0.0825,
0.0051

201.4080, 0.2650,

 0.0000, 0.0000,

0.2378

0.0000

245.5336, 0.2680,
0.2429

■ 28.6742, 0.2243,
0.1753

■ 28.6742, 0.2243,
0.1753

■ 20.8915, 0.2037,
0.1410

■ 38.5793, 0.2451,
0.2106

■ 15.0734, 0.1849,
0.1104

■ 50.7438, 0.2651,
0.2449

■ 11.0443, 0.1693,
0.0860

■ 65.2961, 0.2834,
0.2769

■ 8.5962, 0.1583,
0.0697

■ 82.3546, 0.2997,
0.3058

■ 7.4317, 0.1521,
0.0615

100.0000, 0.3127,
0.3290

■ 7.3541, 0.1517,
0.0609

Harmonies

Analogous

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



28.6742, 0.1607, 0.1705



28.6742, 0.2243, 0.1753



28.6742, 0.3267, 0.2075

Triad

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



28.6742, 0.2243, 0.1753



28.6742, 0.5250, 0.4049



28.6742, 0.1830, 0.3954

Complementary

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



28.6742, 0.2243, 0.1753



92.7056, 0.3786, 0.4514

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.



28.6742, 0.2674, 0.5163



28.6742, 0.2243, 0.1753



28.6742, 0.4632, 0.4832

Square

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



28.6742, 0.2243, 0.1753



28.6742, 0.5240, 0.3304



28.6742, 0.3694, 0.5406



28.6742, 0.1388, 0.2708

Rectangle

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



28.6742, 0.2243, 0.1753



28.6742, 0.4073, 0.2422



28.6742, 0.3694, 0.5406



28.6742, 0.2073, 0.4416

Sweetspot

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



28.6751, 0.2243, 0.1753



71.8600, 0.2902, 0.2889



78.2810, 0.2463, 0.3192



14.6348, 0.2867, 0.2827



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.



28.6751, 0.2243, 0.1753



20.9107, 0.2038, 0.1411



35.5724, 0.2714, 0.1928



17.4409, 0.2990, 0.3045



3.8653, 0.1522, 0.0612



0.3973, 0.1572, 0.0640

Inverse Universe

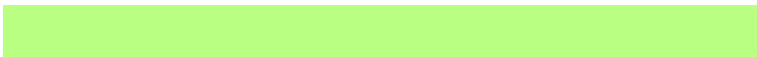
The Inverse Universe completely reimagines the original color for something new.



43.8670, 0.3262, 0.2174



37.8063, 0.3294, 0.1990



83.3405, 0.3367, 0.4709



18.2762, 0.3149, 0.3073



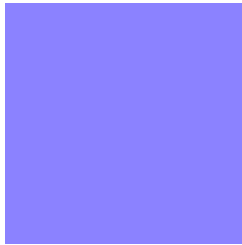
14.2962, 0.3401, 0.1647



1.3985, 0.3377, 0.1634

Previews

White Background



This preview shows how the Yxy color 28.6742, 0.2243, 0.1753 looks on a white background.

Color Contrast Check

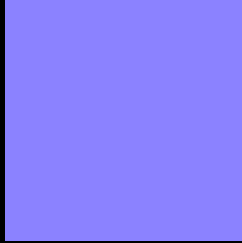
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6742, 0.2243, 0.1753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

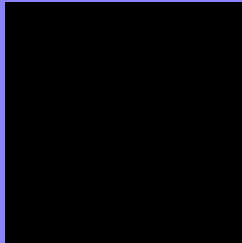
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6742, 0.2243, 0.1753

Background



This preview shows how black text looks on a background with the Yxy color 28.6742, 0.2243, 0.1753.



This preview shows how white text looks on a background with the Yxy color 28.6742, 0.2243, 0.1753.

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

28.6742, 0.2243, 0.1753

Protanopia

28.8932, 0.2020, 0.1810

Deuteranopia

28.8892, 0.1941, 0.1875



Tritanopia

28.7142, 0.2676, 0.3090

Trichromacy



Original Color

28.6742, 0.2243, 0.1753

Protanomaly

28.7120, 0.2089, 0.1787

Deuteranomaly

28.3022, 0.2018, 0.1819

Tritanomaly

28.1887, 0.2493, 0.2490

Monochromacy



Original Color

28.6742, 0.2243, 0.1753

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.5242, 0.2747, 0.2622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6742, 0.2243, 0.1753 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(139, 130, 255)` looks like.

```
.text, #text, p{  
  color:rgb(139, 130, 255)  
}
```

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(139, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.6742, 0.2243, 0.1753 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(139, 130, 255) }
```

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

```
.border{ border-color:rgb(139, 130, 255) }
```

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

Here you see how a box with a 4 pixel rgb(139, 130, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 130,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6742, 0.2243, 0.1753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 130, 255) }
```

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

```
.background{ background-color: rgb(139,  
130, 255) }
```

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](#).

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