

Converting Colors

$Y_{xy}(27.5188, 0.2340, 0.1833)$

Have a look what the booklet for
Yxy(27.5188, 0.2340, 0.1833)
contains.

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Color

Yxy(27.5188, 0.2340, 0.1833)

Conversions

Conversions Part 1

Format	Color
Hex	907FF2
RGB	144, 127, 242
RGB Percent	56%, 50%, 95%
CMY	0.4350, 0.5021, 0.0509
CMYK	0.40, 0.48, 0.00, 0.05
HSL	249°, 82%, 72%
HSV	249°, 48%, 95%
XYZ	35.1304, 27.5188, 87.4807
YIQ	145.1930, -26.7830, 39.3690

Conversions

Conversions Part 2

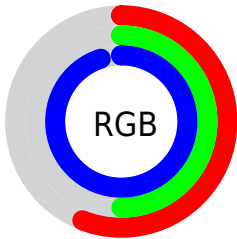
Format	Color
R_{YB}	144, 127, 242
Decimal	9469938
CIE _{Lab}	59.45, 33.60, -55.84
CIE _{LCh}	59, 65.172, 301.040
Yxy	27.5188, 0.2340, 0.1833
Android (android.graphics.Color)	4287660018 (0xFF907FF2)
YUV	145.1930, 47.7259, -1.0463
Hunter-Lab	52.4584, 27.7360, -62.1524

Details

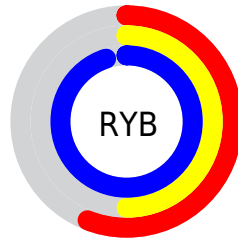
The Yxy color **27.5188, 0.2340, 0.1833** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.0416, 0.3704, 0.4506**, and the grayscale version is **28.2121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4191, 0.2760, 0.2464**, and **10.9778, 0.2094, 0.1492** is the 20% darker color. If you saturate the color by 10%, you get **20.3129, 0.2142, 0.1496**, and if you desaturate by 10%, it is **36.5663, 0.2535, 0.2177**.

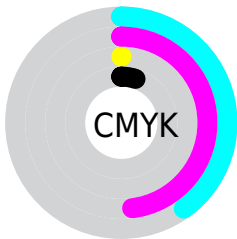
Distribution



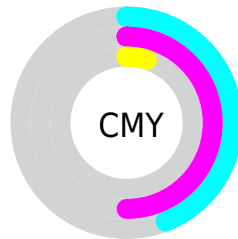
- Red (56%)
- Green (50%)
- Blue (95%)



- Red (56%)
- Yellow (50%)
- Blue (95%)



- Cyan (40%)
- Magenta (48%)
- Yellow (0%)
- Black (5%)





- Cyan (44%)
- Magenta (50%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5188, 0.2340, 0.1833 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 27.5188, 0.2340, 0.1833 by changing the saturation by 10% instead.


 27.5188, 0.2340,
0.1833

 27.5188, 0.2340,
0.1833


290.1604, 0.2761,
0.2530


 17.9632, 0.2232,
0.1675


 55.7153, 0.2496,
0.2075

 10.9236, 0.2093,
0.1484


 75.1249, 0.2554,
0.2170

 6.0155, 0.1911,
0.1250


 98.5881, 0.2603,
0.2251

 2.8545, 0.1666,
0.0966

126.4892, 0.2644,
0.2322

 1.0562, 0.1333,
0.0629

159.2126, 0.2679,
0.2383

 0.0000, 0.0908,
0.0000

197.1426, 0.2710,

 0.0000, 0.0000,

0.2438

0.0000

240.6638, 0.2737,
0.2486

■ 27.5188, 0.2340,
0.1833

■ 27.5188, 0.2340,
0.1833

■ 20.3129, 0.2142,
0.1496

■ 36.5663, 0.2535,
0.2177

■ 14.8179, 0.1953,
0.1187

■ 47.5680, 0.2717,
0.2509

■ 10.8905, 0.1787,
0.0933

■ 60.6308, 0.2883,
0.2819

■ 8.3623, 0.1656,
0.0750

■ 75.8530, 0.3029,
0.3099

■ 7.0143, 0.1568,
0.0646

■ 93.3266, 0.3157,
0.3349

■ 6.7870, 0.1552,
0.0628

■ 99.1921, 0.3203,
0.3415

Harmonies

Analogous

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



27.5188, 0.1703, 0.1772



27.5188, 0.2340, 0.1833



27.5188, 0.3331, 0.2159

Triad

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



27.5188, 0.2340, 0.1833



27.5188, 0.5127, 0.4085



27.5188, 0.1866, 0.3839

Complementary

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



27.5188, 0.2340, 0.1833



81.0416, 0.3704, 0.4506

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.



27.5188, 0.2657, 0.4985



27.5188, 0.2340, 0.1833



27.5188, 0.4530, 0.4818

Square

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



27.5188, 0.2340, 0.1833



27.5188, 0.5142, 0.3363



27.5188, 0.3630, 0.5298



27.5188, 0.1456, 0.2696

Rectangle

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



27.5188, 0.2340, 0.1833



27.5188, 0.4087, 0.2501



27.5188, 0.3630, 0.5298



27.5188, 0.2092, 0.4267

Sweetspot

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



27.5198, 0.2340, 0.1833



73.9846, 0.2936, 0.2920



65.6857, 0.2463, 0.3101



15.0717, 0.2904, 0.2858



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.



27.5198, 0.2340, 0.1833



23.1431, 0.2150, 0.1508



33.8400, 0.2799, 0.1999



15.3415, 0.3003, 0.3047



3.6811, 0.1561, 0.0633



0.3403, 0.1662, 0.0689

Inverse Universe

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



39.4835, 0.3340, 0.2282



38.2416, 0.3394, 0.2109



73.5007, 0.3311, 0.4682



15.9886, 0.3161, 0.3091



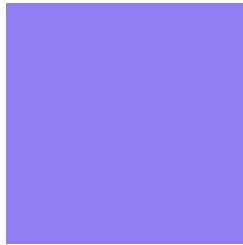
12.5513, 0.3624, 0.1770



1.0550, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 27.5188, 0.2340, 0.1833 looks on a white background.

Color Contrast Check

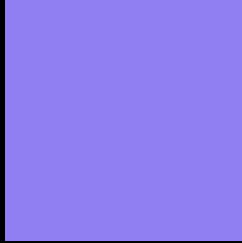
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5188, 0.2340, 0.1833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

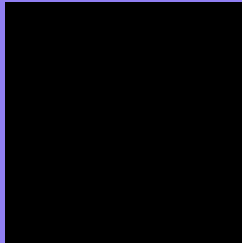
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5188, 0.2340, 0.1833

Background



This preview shows how black text looks on a background with the Yxy color 27.5188, 0.2340, 0.1833.



This preview shows how white text looks on a background with the Yxy color 27.5188, 0.2340, 0.1833.

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

27.5188, 0.2340, 0.1833

Protanopia

27.7448, 0.1997, 0.1773

Deuteranopia

27.7818, 0.2028, 0.1968



Tritanopia

27.6211, 0.2803, 0.3107

Trichromacy



Original Color

27.5188, 0.2340, 0.1833

Protanomaly

27.4813, 0.2096, 0.1787

Deuteranomaly

27.2925, 0.2118, 0.1910

Tritanomaly

27.2556, 0.2607, 0.2545

Monochromacy



Original Color

27.5188, 0.2340, 0.1833

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.4920, 0.2804, 0.2657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5188, 0.2340, 0.1833 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(144, 127, 242)` looks like.

```
.text, #text, p{  
    color:rgb(144, 127, 242)  
}
```

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(144, 127, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 127, 242) }
```

Border

The CSS property to change the border of an element to Yxy 27.5188, 0.2340, 0.1833 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(144, 127, 242) }
```

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

```
.border{ border-color:rgb(144, 127, 242) }
```

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

Here you see how a box with a 4 pixel rgb(144, 127, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 127, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 127, 242);  
box-shadow:4px 4px 4px 4px rgb(144, 127,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5188, 0.2340, 0.1833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 127, 242) }
```

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

```
.background{ background-color: rgb(144,  
127, 242) }
```

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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