

Converting Colors

$Y_{xy}(26.0232, 0.2168, 0.1485)$

Have a look what the booklet for
Yxy(26.0232, 0.2168, 0.1485)
contains.

Yxy(24.8699, 0.2237, 0.1577)	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(24.8699, 0.2237, 0.1577)

Conversions

Conversions Part 1

Format	Color
Hex	8F71FF
RGB	143, 113, 255
RGB Percent	56%, 44%, 100%
CMY	0.4394, 0.5568, 0.0000
CMYK	0.44, 0.56, 0.00, 0.00
HSL	253°, 100%, 72%
HSV	253°, 56%, 100%
XYZ	35.2784, 24.8699, 97.5556
YIQ	138.1580, -27.7020, 50.5220

Conversions

Conversions Part 2

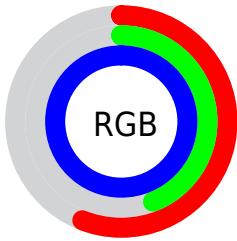
Format	Color
R_{YB}	143, 113, 255
Decimal	9400831
CIE _{Lab}	56.95, 44.90, -67.04
CIE _{LCh}	57, 80.682, 303.812
Yxy	24.8699, 0.2237, 0.1577
Android (android.graphics.Color)	4287590911 (0xFF8F71FF)
YUV	138.1580, 57.6031, 4.2464
Hunter-Lab	49.8697, 39.0007, -81.0748

Details

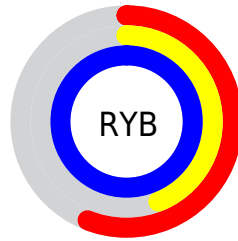
The Yxy color **24.8699, 0.2237, 0.1577** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **88.7289, 0.3721, 0.4729**, and the grayscale version is **25.2623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0490, 0.2750, 0.2308**, and **9.5370, 0.1963, 0.1209** is the 20% darker color. If you saturate the color by 10%, you get **18.3195, 0.2051, 0.1267**, and if you desaturate by 10%, it is **33.3409, 0.2426, 0.1911**.

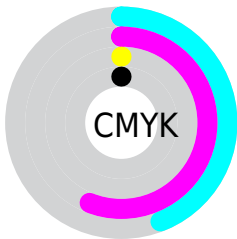
Distribution



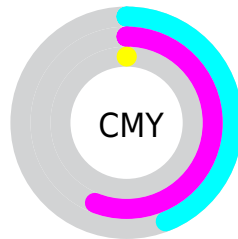
- Red (56%)
- Green (44%)
- Blue (100%)



- Red (56%)
- Yellow (44%)
- Blue (100%)



- Cyan (44%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8699, 0.2237, 0.1577 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 24.8699, 0.2237, 0.1577 by changing the saturation by 10% instead.


 24.8699, 0.2237,
0.1577


 24.8699, 0.2237,
0.1577


277.1894, 0.2717,
0.2373


 15.9802, 0.2115,
0.1406


 51.4461, 0.2415,
0.1847


 9.5101, 0.1961,
0.1204


 69.9013, 0.2481,
0.1955

 5.0754, 0.1761,
0.0966


 92.3138, 0.2536,
0.2048

 2.2916, 0.1500,
0.0692

 119.0680, 0.2583,
0.2129

 0.7692, 0.1159,
0.0394

150.5483, 0.2624,
0.2201

 0.0000, 0.0739,
0.0000

187.1390, 0.2659,

 0.0000, 0.0000,

0.2265

0.0000

229.2246, 0.2689,
0.2322

■ 24.8699, 0.2237,
0.1577

■ 24.8699, 0.2237,
0.1577

■ 18.3195, 0.2051,
0.1267

■ 33.3409, 0.2426,
0.1911

■ 13.5340, 0.1880,
0.1004

■ 43.8693, 0.2608,
0.2248

■ 10.3339, 0.1737,
0.0807

■ 56.5803, 0.2777,
0.2572

■ 8.4993, 0.1630,
0.0686

■ 71.5886, 0.2928,
0.2874

■ 7.9982, 0.1594,
0.0652

■ 89.0011, 0.3060,
0.3148

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.8699, 0.1470, 0.1470



24.8699, 0.2237, 0.1577



24.8699, 0.3491, 0.1972

Triad

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



24.8699, 0.2237, 0.1577



24.8699, 0.5476, 0.4176



24.8699, 0.1491, 0.3809

Complementary

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



24.8699, 0.2237, 0.1577



88.7289, 0.3721, 0.4729

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.



24.8699, 0.2363, 0.5451



24.8699, 0.2237, 0.1577



24.8699, 0.4621, 0.5119

Square

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



24.8699, 0.2237, 0.1577



24.8699, 0.5683, 0.3348



24.8699, 0.3502, 0.5849



24.8699, 0.1107, 0.2390

Rectangle

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



24.8699, 0.2237, 0.1577



24.8699, 0.4464, 0.2375



24.8699, 0.3502, 0.5849



24.8699, 0.1730, 0.4403

Sweetspot

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



24.8702, 0.2237, 0.1577



69.4718, 0.2909, 0.2836



65.4532, 0.2351, 0.2946



14.1974, 0.2879, 0.2776



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.



24.8702, 0.2237, 0.1577



17.5902, 0.2027, 0.1230



33.0912, 0.2805, 0.1812



17.5623, 0.3012, 0.3046



4.2305, 0.1606, 0.0658



0.4563, 0.1707, 0.0714

Inverse Universe

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



38.5131, 0.3476, 0.2204



32.7366, 0.3570, 0.2043



79.7418, 0.3266, 0.4972



18.2309, 0.3170, 0.3104



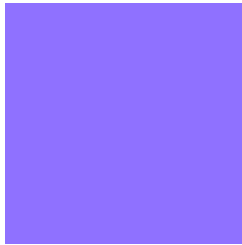
13.3404, 0.3829, 0.1883



1.3146, 0.3744, 0.1836

Previews

White Background



This preview shows how the Yxy color 24.8699, 0.2237, 0.1577 looks on a white background.

Color Contrast Check

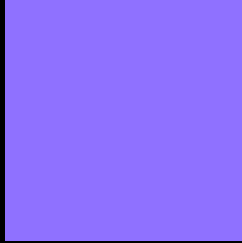
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8699, 0.2237, 0.1577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

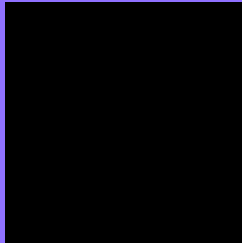
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8699, 0.2237, 0.1577

Background



This preview shows how black text looks on a background with the Yxy color 24.8699, 0.2237, 0.1577.



This preview shows how white text looks on a background with the Yxy color 24.8699, 0.2237, 0.1577.

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

24.8699, 0.2237, 0.1577

Protanopia

25.0246, 0.1899, 0.1649

Deuteranopia

25.1191, 0.1826, 0.1773



Tritanopia

24.7724, 0.2789, 0.3098

Trichromacy



Original Color

24.8699, 0.2237, 0.1577

Protanomaly

24.4286, 0.1988, 0.1602

Deuteranomaly

23.5349, 0.1856, 0.1648

Tritanomaly

24.0750, 0.2545, 0.2377

Monochromacy



Original Color

24.8699, 0.2237, 0.1577

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.6122, 0.2737, 0.2495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8699, 0.2237, 0.1577 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(143, 113, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 113, 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(143, 113, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 113, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.8699, 0.2237, 0.1577 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(143, 113, 255) }
```

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

```
.border{ border-color:rgb(143, 113, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 113, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 113, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 113, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 113,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8699, 0.2237, 0.1577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 113, 255) }
```

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

```
.background{ background-color: rgb(143,  
113, 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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