

Converting Colors

$Y_{xy}(25.8519, 0.2435, 0.1703)$

Have a look what the booklet for
Yxy(25.8519, 0.2435, 0.1703)
contains.

Yxy(25.9190, 0.2438, 0.1711)	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(25.9190, 0.2438, 0.1711)

Conversions

Conversions Part 1

Format	Color
Hex	A171F4
RGB	161, 113, 244
RGB Percent	63%, 44%, 96%
CMY	0.3686, 0.5569, 0.0432
CMYK	0.34, 0.54, 0.00, 0.04
HSL	262°, 86%, 70%
HSV	262°, 54%, 96%
XYZ	36.9319, 25.9190, 88.6336
YIQ	142.2860, -13.4430, 50.9170

Conversions

Conversions Part 2

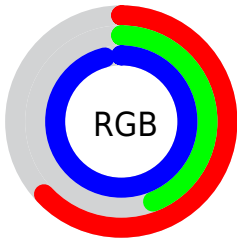
Format	Color
R _Y B	161, 113, 244
Decimal	10580468
CIE Lab	57.96, 46.07, -59.22
CIE LCh	58, 75.031, 307.876
Yxy	25.9190, 0.2438, 0.1711
Android (android.graphics.Color)	4288770548 (0xFFA171F4)
YUV	142.2860, 50.1450, 16.4122
Hunter-Lab	50.9107, 40.3947, -67.5841

Details

The Yxy color **25.9190, 0.2438, 0.1711** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **77.6186, 0.3558, 0.4755**, and the grayscale version is **26.9722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5525, 0.2881, 0.2344**, and **10.0859, 0.2205, 0.1351** is the 20% darker color. If you saturate the color by 10%, you get **19.6802, 0.2276, 0.1416**, and if you desaturate by 10%, it is **33.8211, 0.2596, 0.2025**.

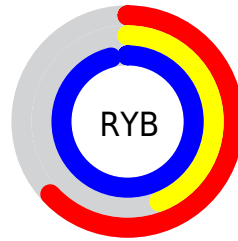
Distribution



Red (63%)

Green (44%)

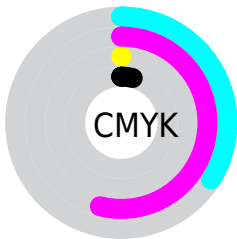
Blue (96%)



Red (63%)

Yellow (44%)

Blue (96%)

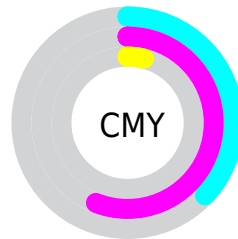


Cyan (34%)

Magenta (54%)

Yellow (0%)

Black (4%)



Cyan (37%)


Magenta (56%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9190, 0.2438, 0.1711 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 25.9190, 0.2438, 0.1711 by changing the saturation by 10% instead.

 25.9190, 0.2438,
0.1711


 25.9190, 0.2438,
0.1711


282.3842, 0.2819,
0.2454


 16.7631, 0.2337,
0.1547


 53.1442, 0.2582,
0.1966


 10.0657, 0.2207,
0.1350


 71.9823, 0.2634,
0.2067

 5.4425, 0.2033,
0.1113


 94.8166, 0.2678,
0.2153

 2.5092, 0.1797,
0.0832

 122.0314, 0.2715,
0.2229

 0.8812, 0.1469,
0.0511

154.0112, 0.2747,
0.2296

 0.0000, 0.1039,
0.0000

191.1403, 0.2774,

 0.0000, 0.0000,

0.2354

0.0000

233.8032, 0.2798,
0.2407

■ 25.9190, 0.2438,
0.1711

■ 25.9190, 0.2438,
0.1711

■ 19.6802, 0.2276,
0.1416

■ 33.8211, 0.2596,
0.2025

■ 14.9746, 0.2117,
0.1157

■ 43.4975, 0.2742,
0.2342

■ 11.6562, 0.1971,
0.0953

■ 55.0524, 0.2875,
0.2648

■ 9.5475, 0.1844,
0.0813

■ 68.5812, 0.2992,
0.2936

■ 8.6761, 0.1776,
0.0752

■ 84.1726, 0.3094,
0.3199

99.0740, 0.3183,
0.3396

99.3109, 0.3191,
0.3396

Harmonies

Analogous

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



25.9190, 0.1643, 0.1571



25.9190, 0.2438, 0.1711



25.9190, 0.3652, 0.2127

Triad

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



25.9190, 0.2438, 0.1711



25.9190, 0.5266, 0.4294



25.9190, 0.1529, 0.3568

Complementary

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



25.9190, 0.2438, 0.1711



77.6186, 0.3558, 0.4755

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.



25.9190, 0.2309, 0.5081



25.9190, 0.2438, 0.1711



25.9190, 0.4439, 0.5153

Square

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



25.9190, 0.2438, 0.1711



25.9190, 0.5525, 0.3486



25.9190, 0.3377, 0.5674



25.9190, 0.1205, 0.2348

Rectangle

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



25.9190, 0.2438, 0.1711



25.9190, 0.4531, 0.2530



25.9190, 0.3377, 0.5674



25.9190, 0.1740, 0.4091

Sweetspot

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



25.9199, 0.2438, 0.1711



72.0979, 0.2966, 0.2870



50.4950, 0.2320, 0.2702



14.7555, 0.2942, 0.2812



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.



25.9199, 0.2438, 0.1711



21.4783, 0.2268, 0.1403



34.2431, 0.3004, 0.1938



16.2224, 0.3037, 0.3049



4.7888, 0.1792, 0.0761



0.4771, 0.1930, 0.0837

Inverse Universe

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



35.0259, 0.3683, 0.2426



32.8280, 0.3843, 0.2297



70.8440, 0.3149, 0.4964



16.6592, 0.3194, 0.3141



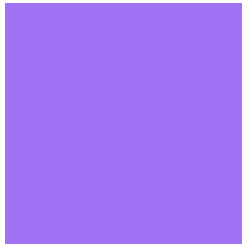
11.7640, 0.4405, 0.2201



1.0537, 0.4215, 0.2096

Previews

White Background



This preview shows how the Yxy color 25.9190, 0.2438, 0.1711 looks on a white background.

Color Contrast Check

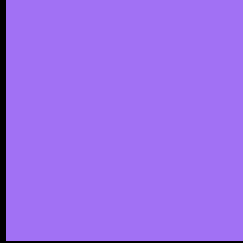
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9190, 0.2438, 0.1711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

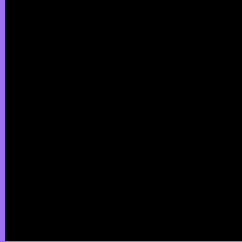
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.9190, 0.2438, 0.1711

Background



This preview shows how black text looks on a background with the Yxy color 25.9190, 0.2438, 0.1711.



This preview shows how white text looks on a background with the Yxy color 25.9190, 0.2438, 0.1711.

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

25.9190, 0.2438, 0.1711

Protanopia

26.1676, 0.1937, 0.1698

Deuteranopia

26.3811, 0.1969, 0.1910



Tritanopia

25.6922, 0.3060, 0.3110

Trichromacy



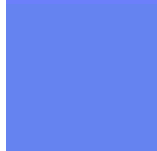
Original Color

25.9190, 0.2438, 0.1711



Protanomaly

25.3319, 0.2065, 0.1677



Deuteranomaly

25.2906, 0.2082, 0.1803



Tritanomaly

25.1531, 0.2798, 0.2471

Monochromacy



Original Color

25.9190, 0.2438, 0.1711



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.8768, 0.2846, 0.2571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9190, 0.2438, 0.1711 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(161, 113, 244)` looks like.

```
.text, #text, p{  
    color:rgb(161, 113, 244)  
}
```

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(161, 113, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 113, 244) }
```

Border

The CSS property to change the border of an element to Yxy 25.9190, 0.2438, 0.1711 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(161, 113, 244) }
```

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

```
.border{ border-color:rgb(161, 113, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 113, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 113, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 113, 244);  
box-shadow:4px 4px 4px 4px rgb(161, 113,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9190, 0.2438, 0.1711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 113, 244) }
```

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

```
.background{ background-color: rgb(161,  
113, 244) }
```

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