

Converting Colors

$Y_{xy}(25.4993, 0.2381, 0.1747)$

Have a look what the booklet for
Yxy(25.4993, 0.2381, 0.1747)
contains.

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Color

Yxy(25.4979, 0.2379, 0.1750)

Conversions

Conversions Part 1

Format	Color
Hex	9675F0
RGB	150, 117, 240
RGB Percent	59%, 46%, 94%
CMY	0.4119, 0.5411, 0.0588
CMYK	0.38, 0.51, 0.00, 0.06
HSL	256°, 80%, 70%
HSV	256°, 51%, 94%
XYZ	34.6626, 25.4979, 85.5418
YIQ	140.8890, -19.8150, 45.2490

Conversions

Conversions Part 2

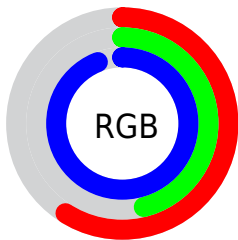
Format	Color
R _Y B	150, 117, 240
Decimal	9860592
CIE _{Lab}	57.56, 40.17, -57.72
CIE _{LCh}	58, 70.324, 304.834
Y _{xy}	25.4979, 0.2379, 0.1750
Android (android.graphics.Color)	4288050672 (0xFF9675F0)
Y _{UV}	140.8890, 48.8617, 7.9903
Hunter-Lab	50.4954, 34.1642, -65.0934

Details

The Yxy color **25.4979, 0.2379, 0.1750** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **76.8875, 0.3633, 0.4645**, and the grayscale version is **26.4009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3793, 0.2798, 0.2364**, and **9.8803, 0.2133, 0.1393** is the 20% darker color. If you saturate the color by 10%, you get **19.0603, 0.2199, 0.1435**, and if you desaturate by 10%, it is **33.6208, 0.2555, 0.2079**.

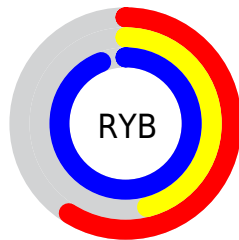
Distribution



Red (59%)

Green (46%)

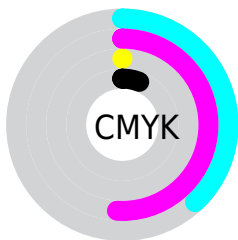
Blue (94%)



Red (59%)

Yellow (46%)

Blue (94%)

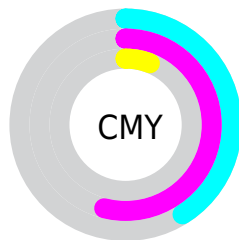


Cyan (38%)

Magenta (51%)

Yellow (0%)

Black (6%)



Cyan (41%)


Magenta (54%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4979, 0.2379, 0.1750 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 25.4979, 0.2379, 0.1750 by changing the saturation by 10% instead.


 25.4979, 0.2379,
0.1750


 25.4979, 0.2379,
0.1750


280.3085, 0.2788,
0.2484


 16.4484, 0.2272,
0.1585


 52.4638, 0.2533,
0.2004

 9.8420, 0.2133,
0.1387


 71.1490, 0.2589,
0.2104

 5.2943, 0.1949,
0.1146


 93.8149, 0.2636,
0.2189

 2.4210, 0.1700,
0.0857

120.8459, 0.2676,
0.2264

 0.8366, 0.1357,
0.0525

152.6263, 0.2710,
0.2329

 0.0000, 0.0906,
0.0000

189.5407, 0.2740,

 0.0000, 0.0000,

0.2387

0.0000

231.9733, 0.2765,
0.2438

■ 25.4979, 0.2379,
0.1750

■ 25.4979, 0.2379,
0.1750

■ 19.0603, 0.2199,
0.1435

■ 33.6208, 0.2555,
0.2079

■ 14.1823, 0.2025,
0.1153

■ 43.5367, 0.2719,
0.2405

■ 10.7245, 0.1869,
0.0927


■ 55.3475, 0.2868,
0.2715

■ 8.5199, 0.1739,
0.0768

■ 69.1464, 0.3000,
0.3001

■ 7.3916, 0.1651,
0.0683

■ 85.0204, 0.3114,
0.3260

 99.0720, 0.3214,
0.3434

Harmonies

Analogous

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



25.4979, 0.1653, 0.1645



25.4979, 0.2379, 0.1750



25.4979, 0.3501, 0.2127

Triad

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



25.4979, 0.2379, 0.1750



25.4979, 0.5233, 0.4201



25.4979, 0.1665, 0.3706

Complementary

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



25.4979, 0.2379, 0.1750



76.8875, 0.3633, 0.4645

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.



25.4979, 0.2462, 0.5073



25.4979, 0.2379, 0.1750



25.4979, 0.4500, 0.5011

Square

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



25.4979, 0.2379, 0.1750



25.4979, 0.5381, 0.3428



25.4979, 0.3499, 0.5527



25.4979, 0.1298, 0.2496

Rectangle

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



25.4979, 0.2379, 0.1750



25.4979, 0.4335, 0.2506



25.4979, 0.3499, 0.5527



25.4979, 0.1886, 0.4196

Sweetspot

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



25.4988, 0.2379, 0.1750



73.0470, 0.2952, 0.2895



54.8043, 0.2380, 0.2871



14.9170, 0.2924, 0.2835



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.



25.4988, 0.2379, 0.1750



21.9018, 0.2200, 0.1436



32.9138, 0.2916, 0.1957



15.4335, 0.3021, 0.3049



4.1013, 0.1665, 0.0691



0.3883, 0.1798, 0.0764

Inverse Universe

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



35.7623, 0.3513, 0.2345



35.0904, 0.3617, 0.2196



69.6972, 0.3213, 0.4849



15.9549, 0.3179, 0.3119



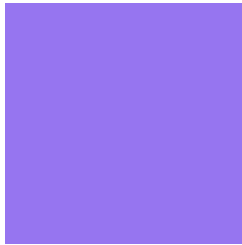
11.8741, 0.4027, 0.1992



1.0043, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 25.4979, 0.2379, 0.1750 looks on a white background.

Color Contrast Check

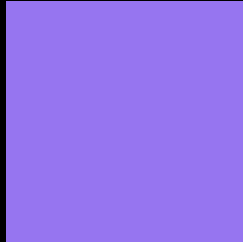
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4979, 0.2379, 0.1750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

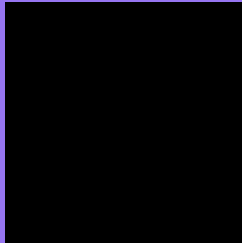
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4979, 0.2379, 0.1750

Background



This preview shows how black text looks on a background with the Yxy color 25.4979, 0.2379, 0.1750.



This preview shows how white text looks on a background with the Yxy color 25.4979, 0.2379, 0.1750.

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

25.4979, 0.2379, 0.1750

Protanopia

25.8067, 0.1927, 0.1682

Deuteranopia

25.6567, 0.1976, 0.1910



Tritanopia

25.4131, 0.2925, 0.3105

Trichromacy



Original Color

25.4979, 0.2379, 0.1750

Protanomaly

25.2240, 0.2045, 0.1687

Deuteranomaly

24.8884, 0.2073, 0.1821

Tritanomaly

24.9699, 0.2694, 0.2493

Monochromacy



Original Color

25.4979, 0.2379, 0.1750

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.6061, 0.2815, 0.2603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4979, 0.2379, 0.1750 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(150, 117, 240)` looks like.

```
.text, #text, p{  
    color:rgb(150, 117, 240)  
}
```

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(150, 117, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 117, 240) }
```

Border

The CSS property to change the border of an element to Yxy 25.4979, 0.2379, 0.1750 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(150, 117, 240) }
```

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

```
.border{ border-color:rgb(150, 117, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 117, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 117, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 117, 240);  
box-shadow:4px 4px 4px 4px rgb(150, 117,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4979, 0.2379, 0.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 117, 240) }
```

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

```
.background{ background-color: rgb(150,  
117, 240) }
```

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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