

Converting Colors

$Y_{xy}(25.0942, 0.2515, 0.1859)$

Have a look what the booklet for
Yxy(25.0942, 0.2515, 0.1859)
contains.

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Color

Yxy(25.2049, 0.2520, 0.1868)

Conversions

Conversions Part 1

Format	Color
Hex	9D74E3
RGB	157, 116, 227
RGB Percent	62%, 45%, 89%
CMY	0.3846, 0.5449, 0.1099
CMYK	0.31, 0.49, 0.00, 0.11
HSL	262°, 66%, 67%
HSV	262°, 49%, 89%
XYZ	34.0023, 25.2049, 75.7226
YIQ	140.9130, -11.1950, 43.2130

Conversions

Conversions Part 2

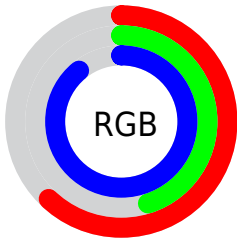
Format	Color
RYB	157, 116, 227
Decimal	10319075
CIELab	57.27, 39.11, -50.86
CIElCh	57, 64.156, 307.556
Yxy	25.2049, 0.2520, 0.1868
Android (android.graphics.Color)	4288509155 (0xFF9D74E3)
YUV	140.9130, 42.4409, 14.1083
Hunter-Lab	50.2045, 33.0361, -54.2831

Details

The Yxy color **25.2049, 0.2520, 0.1868** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **66.6302, 0.3528, 0.4620**, and the grayscale version is **26.4343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8921, 0.2843, 0.2365**, and **9.6615, 0.2307, 0.1508** is the 20% darker color. If you saturate the color by 10%, you get **19.2380, 0.2360, 0.1562**, and if you desaturate by 10%, it is **32.6208, 0.2672, 0.2184**.

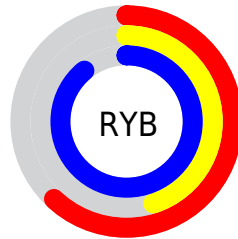
Distribution



Red (62%)

Green (45%)

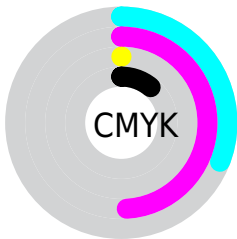
Blue (89%)



Red (62%)

Yellow (45%)

Blue (89%)

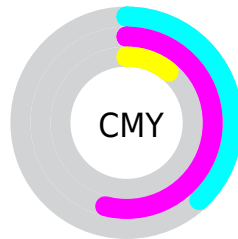


Cyan (31%)

Magenta (49%)

Yellow (0%)

Black (11%)



Cyan (38%)


Magenta (54%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2049, 0.2520, 0.1868 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 25.2049, 0.2520, 0.1868 by changing the saturation by 10% instead.


 25.2049, 0.2520,
0.1868


 25.2049, 0.2520,
0.1868


278.8568, 0.2859,
0.2558


 16.2298, 0.2427,
0.1709


 51.9894, 0.2650,
0.2110

 9.6869, 0.2306,
0.1513


 70.5676, 0.2697,
0.2204

 5.1919, 0.2140,
0.1272


 93.1157, 0.2736,
0.2284

 2.3603, 0.1908,
0.0974

120.0179, 0.2768,
0.2354

 0.8053, 0.1571,
0.0614

151.6587, 0.2796,
0.2414

 0.0000, 0.1090,
0.0000

188.4226, 0.2820,

 0.0000, 0.0000,

0.2468

0.0000

230.6938, 0.2841,
0.2515

■ 25.2049, 0.2520,
0.1868

■ 25.2049, 0.2520,
0.1868

■ 19.2380, 0.2360,
0.1562

■ 32.6208, 0.2672,
0.2184

■ 14.6168, 0.2200,
0.1284

■ 41.5737, 0.2811,
0.2495

■ 11.2283, 0.2047,
0.1052

■ 52.1476, 0.2935,
0.2792

■ 8.9384, 0.1910,
0.0879

■ 64.4195, 0.3044,
0.3067

■ 7.5450, 0.1795,
0.0767

■ 78.4615, 0.3137,
0.3317

 7.4147, 0.1783,
0.0756

 94.3412, 0.3216,
0.3542

 98.3243, 0.3292,
0.3562

Harmonies

Analogous

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



25.2049, 0.1796, 0.1746



25.2049, 0.2520, 0.1868



25.2049, 0.3583, 0.2250

Triad

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



25.2049, 0.2520, 0.1868



25.2049, 0.5056, 0.4252



25.2049, 0.1725, 0.3564

Complementary

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



25.2049, 0.2520, 0.1868



66.6302, 0.3528, 0.4620

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.



25.2049, 0.2449, 0.4808



25.2049, 0.2520, 0.1868



25.2049, 0.4361, 0.4976

Square

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



25.2049, 0.2520, 0.1868



25.2049, 0.5227, 0.3514



25.2049, 0.3416, 0.5343



25.2049, 0.1401, 0.2496

Rectangle

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



25.2049, 0.2520, 0.1868



25.2049, 0.4336, 0.2621



25.2049, 0.3416, 0.5343



25.2049, 0.1924, 0.3999

Sweetspot

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



25.2058, 0.2520, 0.1868



73.6814, 0.2978, 0.2898



44.5017, 0.2382, 0.2740



15.0686, 0.2954, 0.2839



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.



25.2058, 0.2520, 0.1868



24.7076, 0.2352, 0.1547



32.0673, 0.3038, 0.2059



14.1446, 0.3038, 0.3051



4.3863, 0.1798, 0.0764



0.3755, 0.1961, 0.0854

Inverse Universe

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



32.3733, 0.3615, 0.2501



35.4198, 0.3768, 0.2358



60.9944, 0.3142, 0.4797



14.5203, 0.3194, 0.3143



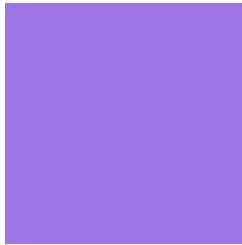
10.7094, 0.4410, 0.2203



0.8092, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 25.2049, 0.2520, 0.1868 looks on a white background.

Color Contrast Check

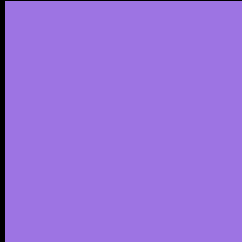
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2049, 0.2520, 0.1868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

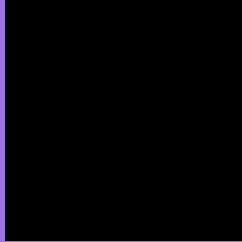
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2049, 0.2520, 0.1868

Background



This preview shows how black text looks on a background with the Yxy color 25.2049, 0.2520, 0.1868.



This preview shows how white text looks on a background with the Yxy color 25.2049, 0.2520, 0.1868.

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

25.2049, 0.2520, 0.1868

Protanopia

25.5603, 0.2003, 0.1784

Deuteranopia

25.4771, 0.2108, 0.2049



Tritanopia

25.0660, 0.3080, 0.3109

Trichromacy



Original Color

25.2049, 0.2520, 0.1868

Protanomaly

24.7965, 0.2143, 0.1789

Deuteranomaly

24.7918, 0.2219, 0.1956

Tritanomaly

24.7365, 0.2860, 0.2574

Monochromacy



Original Color

25.2049, 0.2520, 0.1868

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.6841, 0.2890, 0.2677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2049, 0.2520, 0.1868 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(157, 116, 227)` looks like.

```
.text, #text, p{  
    color:rgb(157, 116, 227)  
}
```

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(157, 116, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 116, 227) }
```

Border

The CSS property to change the border of an element to Yxy 25.2049, 0.2520, 0.1868 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(157, 116, 227) }
```

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

```
.border{ border-color:rgb(157, 116, 227) }
```

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

Here you see how a box with a 4 pixel rgb(157, 116, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 116, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 116, 227);  
box-shadow:4px 4px 4px 4px rgb(157, 116,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2049, 0.2520, 0.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 116, 227) }
```

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

```
.background{ background-color: rgb(157,  
116, 227) }
```

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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