

Converting Colors

$Y_{xy}(25.4616, 0.2458, 0.1909)$

Have a look what the booklet for
Yxy(25.4616, 0.2458, 0.1909)
contains.

| | |
|--|----|
| Yxy(25.4616, 0.2458, 0.1909) | 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(25.4616, 0.2458, 0.1909)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9479E2 |
| RGB | 148, 121, 226 |
| RGB Percent | 58%, 47%, 89% |
| CMY | 0.4194, 0.5256, 0.1138 |
| CMYK | 0.34, 0.46, 0.00, 0.11 |
| HSL | 255°, 64%, 68% |
| HSV | 255°, 46%, 89% |
| XYZ | 32.7840, 25.4616, 75.1311 |
| YIQ | 141.0430, -17.6130, 38.3790 |

Conversions

Conversions Part 2

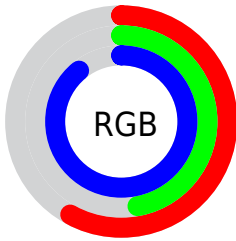
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 148, 121, 226 |
| Decimal | 9730530 |
| CIE _{Lab} | 57.52, 33.75, -49.97 |
| CIE _{LCh} | 58, 60.297, 304.032 |
| Yxy | 25.4616, 0.2458, 0.1909 |
| Android (android.graphics.Color) | 4287920610 (0xFF9479E2) |
| YUV | 141.0430, 41.8838, 6.1013 |
| Hunter-Lab | 50.4595, 27.6689, -52.9575 |

Details

The Yxy color **25.4616, 0.2458, 0.1909** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **67.8982, 0.3602, 0.4514**, and the grayscale version is **26.4942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4712, 0.2778, 0.2402**, and **9.8642, 0.2231, 0.1562** is the 20% darker color. If you saturate the color by 10%, you get **19.1462, 0.2278, 0.1584**, and if you desaturate by 10%, it is **33.2919, 0.2630, 0.2239**.

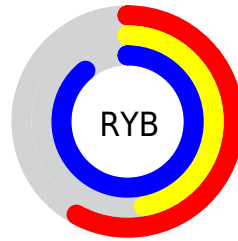
Distribution



Red (58%)

Green (47%)

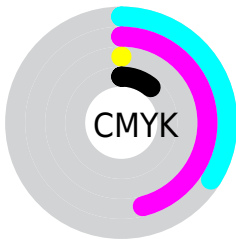
Blue (89%)



Red (58%)

Yellow (47%)

Blue (89%)

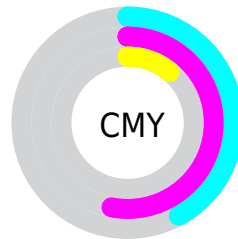


Cyan (34%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (42%)


Magenta (53%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4616, 0.2458, 0.1909 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 25.4616, 0.2458, 0.1909 by changing the saturation by 10% instead.


 25.4616, 0.2458,
0.1909


 25.4616, 0.2458,
0.1909


280.1290, 0.2826,
0.2584


 16.4213, 0.2359,
0.1751


 52.4051, 0.2598,
0.2147

 9.8228, 0.2230,
0.1558


 71.0771, 0.2648,
0.2239

 5.2816, 0.2055,
0.1317


 93.7284, 0.2691,
0.2318

 2.4134, 0.1813,
0.1016

120.7434, 0.2726,
0.2385

 0.8328, 0.1465,
0.0650

152.5066, 0.2757,
0.2445

 0.0000, 0.0951,
0.0000

189.4024, 0.2783,

 0.0000, 0.0000,

0.2497

0.0000

231.8150, 0.2806,
0.2543

■ 25.4616, 0.2458,
0.1909

■ 25.4616, 0.2458,
0.1909

■ 19.1462, 0.2278,
0.1584

■ 33.2919, 0.2630,
0.2239

■ 14.2418, 0.2099,
0.1283

■ 42.7257, 0.2789,
0.2558

■ 10.6361, 0.1932,
0.1027

■ 53.8480, 0.2931,
0.2856

■ 8.1971, 0.1788,
0.0833

■ 66.7371, 0.3056,
0.3129

■ 6.7606, 0.1676,
0.0711

■ 81.4661, 0.3163,
0.3373

■ 6.3982, 0.1643,
0.0679

■ 97.0934, 0.3257,
0.3575

■ 98.2705, 0.3298,
0.3572

Harmonies

Analogous

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



25.4616, 0.1805, 0.1825



25.4616, 0.2458, 0.1909



25.4616, 0.3432, 0.2249

Triad

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



25.4616, 0.2458, 0.1909



25.4616, 0.5009, 0.4145



25.4616, 0.1867, 0.3694

Complementary

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



25.4616, 0.2458, 0.1909



67.8982, 0.3602, 0.4514

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.



25.4616, 0.2601, 0.4804



25.4616, 0.2458, 0.1909



25.4616, 0.4408, 0.4829

Square

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



25.4616, 0.2458, 0.1909



25.4616, 0.5077, 0.3442



25.4616, 0.3531, 0.5208



25.4616, 0.1503, 0.2647

Rectangle

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



25.4616, 0.2458, 0.1909



25.4616, 0.4145, 0.2593



25.4616, 0.3531, 0.5208



25.4616, 0.2075, 0.4096

Sweetspot

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



25.4625, 0.2458, 0.1909



74.6165, 0.2962, 0.2923



50.7419, 0.2447, 0.2942



15.2238, 0.2934, 0.2862



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.



25.4625, 0.2458, 0.1909



25.2441, 0.2280, 0.1587



31.4045, 0.2927, 0.2074



13.4133, 0.3021, 0.3050



3.6989, 0.1656, 0.0686



0.2989, 0.1814, 0.0773

Inverse Universe

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



33.9574, 0.3453, 0.2418



37.9639, 0.3549, 0.2255



61.9925, 0.3224, 0.4678



13.8721, 0.3177, 0.3118



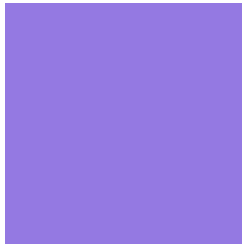
10.8516, 0.3988, 0.1970



0.7665, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 25.4616, 0.2458, 0.1909 looks on a white background.

Color Contrast Check

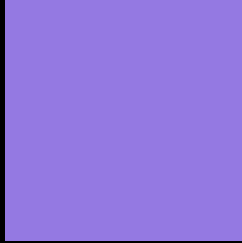
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4616, 0.2458, 0.1909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

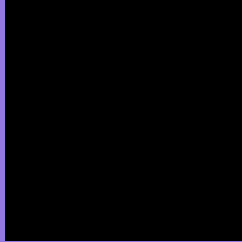
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4616, 0.2458, 0.1909

Background



This preview shows how black text looks on a background with the Yxy color 25.4616, 0.2458, 0.1909.



This preview shows how white text looks on a background with the Yxy color 25.4616, 0.2458, 0.1909.

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

25.4616, 0.2458, 0.1909

Protanopia

25.8353, 0.2052, 0.1850

Deuteranopia

25.5747, 0.2118, 0.2052



Tritanopia

25.5728, 0.2946, 0.3106

Trichromacy



Original Color

25.4616, 0.2458, 0.1909

Protanomaly

25.3505, 0.2170, 0.1863

Deuteranomaly

25.1452, 0.2216, 0.1990

Tritanomaly

25.1202, 0.2747, 0.2578

Monochromacy



Original Color

25.4616, 0.2458, 0.1909

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.9580, 0.2861, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4616, 0.2458, 0.1909 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(148, 121, 226)` looks like.

```
.text, #text, p{  
    color:rgb(148, 121, 226)  
}
```

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(148, 121, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 121, 226) }
```

Border

The CSS property to change the border of an element to Yxy 25.4616, 0.2458, 0.1909 is called "border". The border property can be set on classes, ids or directly on the HTML element.

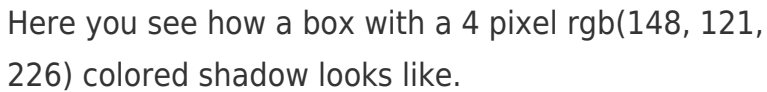
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 121, 226) }
```

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

```
.border{ border-color:rgb(148, 121, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(148, 121, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 121, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 121, 226); box-shadow:4px 4px 4px 4px rgb(148, 121, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4616, 0.2458, 0.1909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 121, 226) }
```

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

```
.background{ background-color: rgb(148,  
121, 226) }
```

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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