

Converting Colors

$Y_{xy}(25.5898, 0.2308, 0.1806)$

Have a look what the booklet for
Yxy(25.5898, 0.2308, 0.1806)
contains.

Yxy(25.5987, 0.2308, 0.1808)	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(25.5987, 0.2308, 0.1808)

Conversions

Conversions Part 1

Format	Color
Hex	897BED
RGB	137, 123, 237
RGB Percent	54%, 48%, 93%
CMY	0.4628, 0.5176, 0.0707
CMYK	0.42, 0.48, 0.00, 0.07
HSL	247°, 76%, 71%
HSV	247°, 48%, 93%
XYZ	32.6780, 25.5987, 83.3090
YIQ	140.1820, -28.2500, 38.4220

Conversions

Conversions Part 2

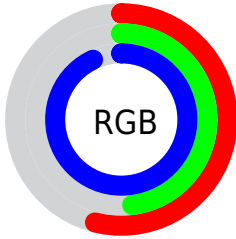
Format	Color
RYB	137, 123, 237
Decimal	9010157
CIELab	57.65, 32.80, -55.94
CIELCh	58, 64.843, 300.387
Yxy	25.5987, 0.2308, 0.1808
Android (android.graphics.Color)	4287200237 (0xFF897BED)
YUV	140.1820, 47.7313, -2.7906
Hunter-Lab	50.5952, 26.7466, -62.2092

Details

The Yxy color **25.5987, 0.2308, 0.1808** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **77.6642, 0.3731, 0.4508**, and the grayscale version is **26.1195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8728, 0.2706, 0.2407**, and **9.8983, 0.2051, 0.1450** is the 20% darker color. If you saturate the color by 10%, you get **18.8231, 0.2107, 0.1469**, and if you desaturate by 10%, it is **34.1373, 0.2507, 0.2154**.

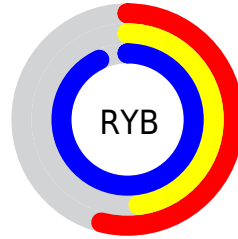
Distribution



Red (54%)

Green (48%)

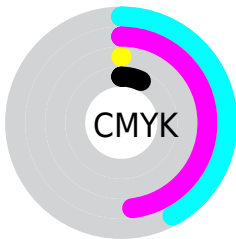
Blue (93%)



Red (54%)

Yellow (48%)

Blue (93%)

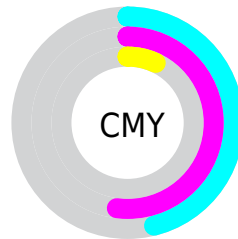


Cyan (42%)

Magenta (48%)

Yellow (0%)

Black (7%)



Cyan (46%)

Magenta (52%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5987, 0.2308, 0.1808 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 25.5987, 0.2308, 0.1808 by changing the saturation by 10% instead.


 25.5987, 0.2308,
0.1808


 25.5987, 0.2308,
0.1808


280.8065, 0.2749,
0.2524

 16.5237, 0.2194,
0.1645


 52.6268, 0.2473,
0.2058

 9.8955, 0.2047,
0.1446


 71.3487, 0.2533,
0.2155

 5.3297, 0.1853,
0.1204


 94.0550, 0.2584,
0.2239

 2.4420, 0.1593,
0.0909

121.1301, 0.2627,
0.2311

 0.8474, 0.1239,
0.0564

152.9585, 0.2664,
0.2374

 0.0000, 0.0750,
0.0000

189.9244, 0.2696,

 0.0000, 0.0000,

0.2430

0.0000

232.4123, 0.2724,
0.2479

■ 25.5987, 0.2308,
0.1808

■ 25.5987, 0.2308,
0.1808

■ 18.8231, 0.2107,
0.1469

■ 34.1373, 0.2507,
0.2154

■ 13.6839, 0.1918,
0.1161

■ 44.5482, 0.2695,
0.2490

■ 10.0419, 0.1755,
0.0909

■ 56.9349, 0.2867,
0.2802

■ 7.7329, 0.1630,
0.0732

■ 71.3925, 0.3019,
0.3085

■ 6.5343, 0.1549,
0.0634

■ 88.0100, 0.3151,
0.3336

■ 6.3739, 0.1538,
0.0621

■ 98.8921, 0.3232,
0.3464

Harmonies

Analogous

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



25.5987, 0.1672, 0.1752



25.5987, 0.2308, 0.1808



25.5987, 0.3309, 0.2132

Triad

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



25.5987, 0.2308, 0.1808



25.5987, 0.5165, 0.4072



25.5987, 0.1857, 0.3877

Complementary

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



25.5987, 0.2308, 0.1808



77.6642, 0.3731, 0.4508

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.



25.5987, 0.2665, 0.5041



25.5987, 0.2308, 0.1808



25.5987, 0.4563, 0.4821

Square

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



25.5987, 0.2308, 0.1808



25.5987, 0.5171, 0.3344



25.5987, 0.3653, 0.5330



25.5987, 0.1436, 0.2702

Rectangle

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



25.5987, 0.2308, 0.1808



25.5987, 0.4080, 0.2475



25.5987, 0.3653, 0.5330



25.5987, 0.2089, 0.4315

Sweetspot

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



25.5996, 0.2308, 0.1808



73.8350, 0.2930, 0.2920



63.4574, 0.2462, 0.3123



15.0358, 0.2896, 0.2857



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.



25.5996, 0.2308, 0.1808



22.1330, 0.2104, 0.1464



31.6576, 0.2778, 0.1979



14.6373, 0.2999, 0.3048



3.5109, 0.1546, 0.0625



0.3045, 0.1640, 0.0677

Inverse Universe

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



37.4962, 0.3313, 0.2246



37.9036, 0.3362, 0.2063



70.1588, 0.3325, 0.4691



15.2801, 0.3157, 0.3086



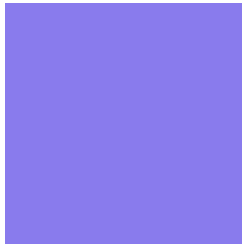
12.3284, 0.3544, 0.1726



0.9770, 0.3491, 0.1697

Previews

White Background



This preview shows how the Yxy color 25.5987, 0.2308, 0.1808 looks on a white background.

Color Contrast Check

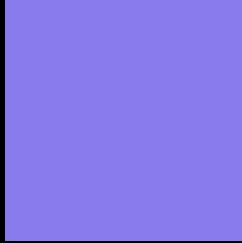
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5987, 0.2308, 0.1808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

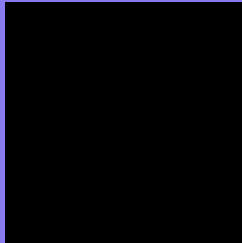
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5987, 0.2308, 0.1808

Background



This preview shows how black text looks on a background with the Yxy color 25.5987, 0.2308, 0.1808.



This preview shows how white text looks on a background with the Yxy color 25.5987, 0.2308, 0.1808.

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

25.5987, 0.2308, 0.1808

Protanopia

25.9901, 0.1983, 0.1762

Deuteranopia

25.6880, 0.1997, 0.1933



Tritanopia

25.6910, 0.2758, 0.3100

Trichromacy



Original Color

25.5987, 0.2308, 0.1808

Protanomaly

25.6478, 0.2077, 0.1773

Deuteranomaly

25.1485, 0.2081, 0.1872

Tritanomaly

25.3541, 0.2577, 0.2535

Monochromacy



Original Color

25.5987, 0.2308, 0.1808

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.6343, 0.2785, 0.2653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5987, 0.2308, 0.1808 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(137, 123, 237)` looks like.

```
.text, #text, p{  
    color:rgb(137, 123, 237)  
}
```

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(137, 123, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 123, 237) }
```

Border

The CSS property to change the border of an element to Yxy 25.5987, 0.2308, 0.1808 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(137, 123, 237) }
```

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

```
.border{ border-color:rgb(137, 123, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 123, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 123, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 123, 237); box-shadow:4px 4px 4px 4px rgb(137, 123, 237) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5987, 0.2308, 0.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 123, 237) }
```

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

```
.background{ background-color: rgb(137,  
123, 237) }
```

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