

Converting Colors

$Y_{xy}(25.5739, 0.2291, 0.1908)$

Have a look what the booklet for
Yxy(25.5739, 0.2291, 0.1908)
contains.

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Color

Yxy(25.6847, 0.2297, 0.1918)

Conversions

Conversions Part 1

Format	Color
Hex	8080E5
RGB	128, 128, 229
RGB Percent	50%, 50%, 90%
CMY	0.4982, 0.4980, 0.1019
CMYK	0.44, 0.44, 0.00, 0.10
HSL	240°, 66%, 70%
HSV	240°, 44%, 90%
XYZ	30.7600, 25.6847, 77.4692
YIQ	139.5140, -32.4210, 31.4110

Conversions

Conversions Part 2

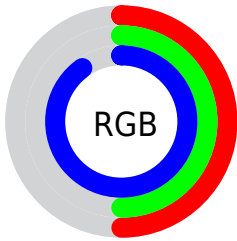
Format	Color
RYB	128, 128, 229
Decimal	8421605
CIELab	57.74, 25.45, -51.42
CIELCh	58, 57.371, 296.338
Yxy	25.6847, 0.2297, 0.1918
Android (android.graphics.Color)	4286611685 (0xFF8080E5)
YUV	139.5140, 44.1166, -10.0978
Hunter-Lab	50.6801, 19.6496, -55.1543

Details

The Yxy color **25.6847, 0.2297, 0.1918** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.2304, 0.3782, 0.4372**, and the grayscale version is **25.8617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5820, 0.2641, 0.2448**, and **9.9487, 0.2032, 0.1563** is the 20% darker color. If you saturate the color by 10%, you get **18.7930, 0.2082, 0.1563**, and if you desaturate by 10%, it is **34.3255, 0.2512, 0.2273**.

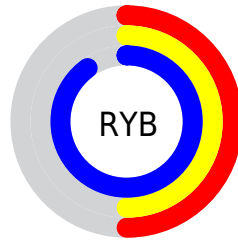
Distribution



Red (50%)

Green (50%)

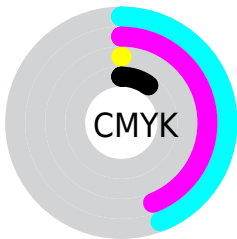
Blue (90%)



Red (50%)

Yellow (50%)

Blue (90%)

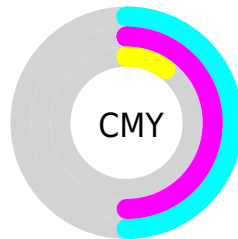


Cyan (44%)

Magenta (44%)

Yellow (0%)

Black (10%)



Cyan (50%)

Magenta (50%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6847, 0.2297, 0.1918 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 25.6847, 0.2297, 0.1918 by changing the saturation by 10% instead.

■ 25.6847, 0.2297,
0.1918

■ 25.6847, 0.2297,
0.1918

■ 281.2308, 0.2742,
0.2594

■ 16.5879, 0.2182,
0.1759

■ 52.7659, 0.2463,
0.2157

■ 9.9411, 0.2033,
0.1564

■ 71.5190, 0.2524,
0.2249

■ 5.3599, 0.1836,
0.1321

■ 94.2597, 0.2575,
0.2328

■ 2.4600, 0.1570,
0.1018

■ 121.3724, 0.2619,
0.2396

■ 0.8565, 0.1205,
0.0651

■ 153.2415, 0.2656,
0.2455

■ 0.0000, 0.0623,
0.0000

■ 190.2513, 0.2688,

■ 0.0000, 0.0000,

0.2507

0.0000

232.7863, 0.2717,
0.2553

■ 25.6847, 0.2297,
0.1918

■ 25.6847, 0.2297,
0.1918

■ 18.7930, 0.2082,
0.1563

■ 34.3255, 0.2512,
0.2273

■ 13.5287, 0.1882,
0.1231

■ 44.8206, 0.2715,
0.2609

■ 9.7589, 0.1713,
0.0953

■ 57.2701, 0.2901,
0.2916

■ 7.3287, 0.1591,
0.0751

■ 71.7661, 0.3065,
0.3188

■ 6.0492, 0.1522,
0.0636

■ 88.3948, 0.3209,
0.3426

■ 5.6600, 0.1500,
0.0600

■ 98.4375, 0.3280,
0.3542

Harmonies

Analogous

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



25.6847, 0.1752, 0.1908



25.6847, 0.2297, 0.1918



25.6847, 0.3163, 0.2186

Triad

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



25.6847, 0.2297, 0.1918



25.6847, 0.5000, 0.3952



25.6847, 0.2078, 0.3966

Complementary

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



25.6847, 0.2297, 0.1918



74.2304, 0.3782, 0.4372

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.



25.6847, 0.2856, 0.4896



25.6847, 0.2297, 0.1918



25.6847, 0.4545, 0.4620

Square

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



25.6847, 0.2297, 0.1918



25.6847, 0.4891, 0.3281



25.6847, 0.3756, 0.5076



25.6847, 0.1626, 0.2905

Rectangle

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



25.6847, 0.2297, 0.1918



25.6847, 0.3841, 0.2488



25.6847, 0.3756, 0.5076



25.6847, 0.2308, 0.4330

Sweetspot

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



25.6856, 0.2297, 0.1918



74.8977, 0.2919, 0.2946



66.1922, 0.2541, 0.3309



15.2158, 0.2880, 0.2881



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.



25.6856, 0.2297, 0.1918



24.6157, 0.2099, 0.1591



30.4097, 0.2694, 0.2051



13.8884, 0.2980, 0.3047



3.2364, 0.1500, 0.0600



0.2396, 0.1501, 0.0601

Inverse Universe

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



33.6464, 0.4299, 0.3293



36.0110, 0.4695, 0.3294



67.3231, 0.3412, 0.4524



14.3681, 0.3292, 0.3290



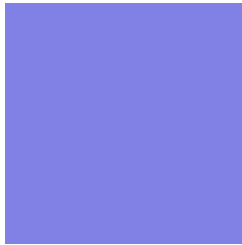
9.5244, 0.6400, 0.3299



0.7039, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 25.6847, 0.2297, 0.1918 looks on a white background.

Color Contrast Check

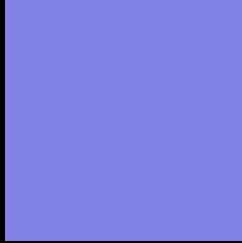
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6847, 0.2297, 0.1918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

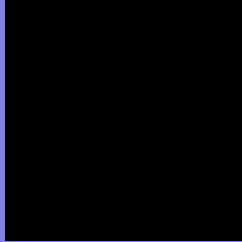
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6847, 0.2297, 0.1918

Background



This preview shows how black text looks on a background with the Yxy color 25.6847, 0.2297, 0.1918.



This preview shows how white text looks on a background with the Yxy color 25.6847, 0.2297, 0.1918.

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

25.6847, 0.2297, 0.1918

Protanopia

25.8170, 0.2079, 0.1882

Deuteranopia

25.8503, 0.2071, 0.2007



Tritanopia

25.5980, 0.2681, 0.3080

Trichromacy



Original Color

25.6847, 0.2297, 0.1918

Protanomaly

25.5115, 0.2150, 0.1889

Deuteranomaly

25.5820, 0.2135, 0.1964

Tritanomaly

25.3089, 0.2521, 0.2569

Monochromacy



Original Color

25.6847, 0.2297, 0.1918

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.8211, 0.2784, 0.2722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6847, 0.2297, 0.1918 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(128, 128, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 229)  
}
```

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(128, 128, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 229) }
```

Border

The CSS property to change the border of an element to Yxy 25.6847, 0.2297, 0.1918 is called "border". The border property can be set on classes, ids or directly on the HTML element.

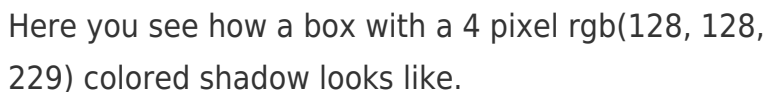
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 128, 229) }
```

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

```
.border{ border-color:rgb(128, 128, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 128, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 128, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 128, 229); box-shadow:4px 4px 4px 4px rgb(128, 128, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6847, 0.2297, 0.1918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 229) }
```

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

```
.background{ background-color: rgb(128,  
128, 229) }
```

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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