

Converting Colors

$Y_{xy}(25.8950, 0.2144, 0.1855)$

Have a look what the booklet for
Yxy(25.8950, 0.2144, 0.1855)
contains.

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Color

Yxy(25.8682, 0.2143, 0.1858)

Conversions

Conversions Part 1

Format	Color
Hex	6D84ED
RGB	109, 132, 237
RGB Percent	43%, 52%, 93%
CMY	0.5727, 0.4823, 0.0707
CMYK	0.54, 0.44, 0.00, 0.07
HSL	229°, 78%, 68%
HSV	229°, 54%, 93%
XYZ	29.8361, 25.8682, 83.5217
YIQ	137.0930, -47.4130, 27.7790

Conversions

Conversions Part 2

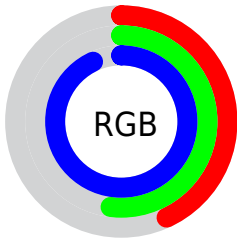
Format	Color
R _{YB}	109, 128, 237
Decimal	7177453
CIE Lab	57.91, 21.23, -55.65
CIE LCh	58, 59.558, 290.879
Yxy	25.8682, 0.2143, 0.1858
Android (android.graphics.Color)	4285367533 (0xFF6D84ED)
YUV	137.0930, 49.2542, -24.6376
Hunter-Lab	50.8608, 15.7059, -61.7613

Details

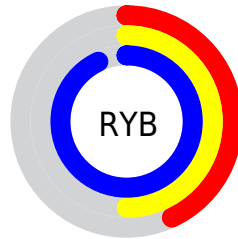
The Yxy color **25.8682, 0.2143, 0.1858** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.1500, 0.4032, 0.4389**, and the grayscale version is **24.8748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2428, 0.2535, 0.2470**, and **10.0173, 0.1850, 0.1498** is the 20% darker color. If you saturate the color by 10%, you get **19.7757, 0.1957, 0.1554**, and if you desaturate by 10%, it is **33.3486, 0.2340, 0.2165**.

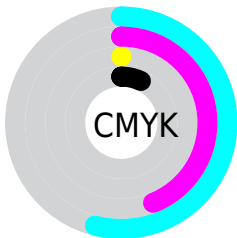
Distribution



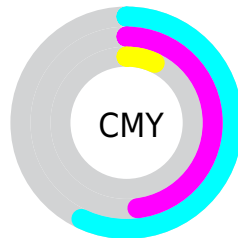
- Red (43%)
- Green (52%)
- Blue (93%)



- Red (43%)
- Yellow (50%)
- Blue (93%)



- Cyan (54%)
- Magenta (44%)
- Yellow (0%)
- Black (7%)





- Cyan (57%)
- Magenta (48%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8682, 0.2143, 0.1858 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 25.8682, 0.2143, 0.1858 by changing the saturation by 10% instead.


 25.8682, 0.2143,
0.1858


 25.8682, 0.2143,
0.1858


282.1345, 0.2660,
0.2560

 16.7251, 0.2013,
0.1695


 53.0622, 0.2333,
0.2106

 10.0387, 0.1848,
0.1496


 71.8819, 0.2404,
0.2201

 5.4246, 0.1636,
0.1251


 94.6960, 0.2464,
0.2283

 2.4985, 0.1357,
0.0950

121.8887, 0.2514,
0.2354

 0.8759, 0.0993,
0.0595

153.8445, 0.2558,
0.2415

 0.0000, 0.0416,
0.0000

190.9478, 0.2596,

 0.0000, 0.0000,

0.2469

0.0000

233.5830, 0.2630,
0.2518

■ 25.8682, 0.2143,
0.1858

■ 25.8682, 0.2143,
0.1858

■ 19.7757, 0.1957,
0.1554

■ 33.3486, 0.2340,
0.2165

■ 14.9804, 0.1794,
0.1269

■ 42.2943, 0.2537,
0.2461

■ 11.3848, 0.1664,
0.1024

■ 52.7799, 0.2727,
0.2736

■ 8.8748, 0.1576,
0.0833

■ 64.8742, 0.2904,
0.2986

■ 7.8189, 0.1541,
0.0747

■ 78.6418, 0.3066,
0.3208

■ 94.1434, 0.3213,
0.3404

■ 98.8930, 0.3232,
0.3464

Harmonies

Analogous

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



25.8682, 0.1649, 0.1899



25.8682, 0.2143, 0.1858



25.8682, 0.2978, 0.2087

Triad

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



25.8682, 0.2143, 0.1858



25.8682, 0.5088, 0.3831



25.8682, 0.2166, 0.4202

Complementary

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



25.8682, 0.2143, 0.1858



67.1500, 0.4032, 0.4389

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.



25.8682, 0.3006, 0.5061



25.8682, 0.2143, 0.1858



25.8682, 0.4700, 0.4530

Square

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



25.8682, 0.2143, 0.1858



25.8682, 0.4858, 0.3154



25.8682, 0.3928, 0.5083



25.8682, 0.1638, 0.3065

Rectangle

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



25.8682, 0.2143, 0.1858



25.8682, 0.3671, 0.2371



25.8682, 0.3928, 0.5083



25.8682, 0.2420, 0.4562

Sweetspot

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



25.8691, 0.2143, 0.1858



73.5508, 0.2869, 0.2937



68.6319, 0.2544, 0.3589



15.0945, 0.2833, 0.2887



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.



25.8691, 0.2143, 0.1858



22.5772, 0.1935, 0.1517



23.4762, 0.2381, 0.1682



14.9878, 0.2980, 0.3091



4.4051, 0.1547, 0.0767



0.4716, 0.1611, 0.1000

Inverse Universe

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



30.5939, 0.4431, 0.3043



29.7811, 0.4883, 0.3019



73.4512, 0.3606, 0.4737



15.0984, 0.3265, 0.3248



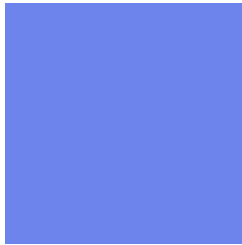
9.9375, 0.6122, 0.3146



0.7930, 0.5759, 0.2946

Previews

White Background



This preview shows how the Yxy color 25.8682, 0.2143, 0.1858 looks on a white background.

Color Contrast Check

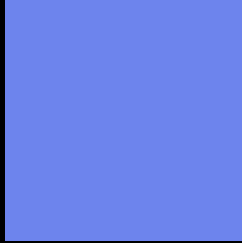
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8682, 0.2143, 0.1858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

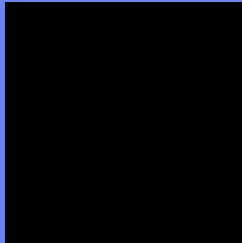
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8682, 0.2143, 0.1858

Background



This preview shows how black text looks on a background with the Yxy color 25.8682, 0.2143, 0.1858.



This preview shows how white text looks on a background with the Yxy color 25.8682, 0.2143, 0.1858.

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

25.8682, 0.2143, 0.1858

Protanopia

25.8945, 0.2049, 0.1841

Deuteranopia

26.0195, 0.1986, 0.1927



Tritanopia

25.8619, 0.2455, 0.3074

Trichromacy



Original Color

25.8682, 0.2143, 0.1858

Protanomaly

25.8789, 0.2079, 0.1847

Deuteranomaly

25.8323, 0.2033, 0.1893

Tritanomaly

25.5944, 0.2322, 0.2537

Monochromacy



Original Color

25.8682, 0.2143, 0.1858

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.8571, 0.2689, 0.2678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8682, 0.2143, 0.1858 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(109, 132, 237)` looks like.

```
.text, #text, p{  
    color:rgb(109, 132, 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(109, 132, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 132, 237) }
```

Border

The CSS property to change the border of an element to Yxy 25.8682, 0.2143, 0.1858 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(109, 132, 237) }
```

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

```
.border{ border-color:rgb(109, 132, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 132, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 132, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 132, 237);  
box-shadow:4px 4px 4px 4px rgb(109, 132,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8682, 0.2143, 0.1858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 132, 237) }
```

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

```
.background{ background-color: rgb(109,  
132, 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](#).

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