

Converting Colors

$Y_{xy}(25.8041, 0.2270, 0.2440)$

Have a look what the booklet for
Yxy(25.8041, 0.2270, 0.2440)
contains.

Yxy(25.8041, 0.2270, 0.2440)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.8041, 0.2270, 0.2440)

Conversions

Conversions Part 1

Format	Color
Hex	5A8FC4
RGB	90, 143, 196
RGB Percent	35%, 56%, 77%
CMY	0.6469, 0.4392, 0.2313
CMYK	0.54, 0.27, 0.00, 0.23
HSL	210°, 47%, 56%
HSV	210°, 54%, 77%
XYZ	24.0063, 25.8041, 55.9441
YIQ	133.1950, -48.6010, 5.2470

Conversions

Conversions Part 2

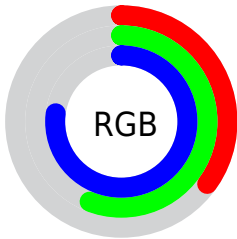
Format	Color
R _Y B	90, 125, 196
Decimal	5935044
CIE Lab	57.85, -2.26, -32.86
CIE LCh	58, 32.937, 266.057
Yxy	25.8041, 0.2270, 0.2440
Android (android.graphics.Color)	4284125124 (0xFF5A8FC4)
YUV	133.1950, 30.9629, -37.8820
Hunter-Lab	50.7977, -4.5395, -29.7383

Details

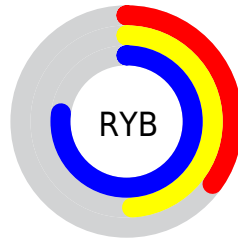
The Yxy color **25.8041, 0.2270, 0.2440** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **32.1384, 0.4271, 0.3985**, and the grayscale version is **23.4325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1353, 0.2438, 0.2614**, and **10.0013, 0.1994, 0.2162** is the 20% darker color. If you saturate the color by 10%, you get **22.1311, 0.2126, 0.2248**, and if you desaturate by 10%, it is **29.9955, 0.2425, 0.2625**.

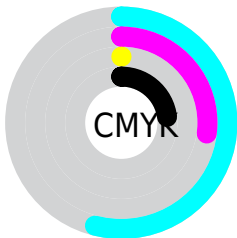
Distribution



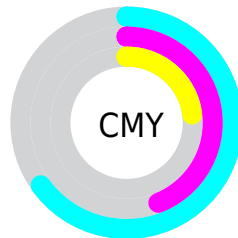
- Red (35%)
- Green (56%)
- Blue (77%)



- Red (35%)
- Yellow (49%)
- Blue (77%)



- Cyan (54%)
- Magenta (27%)
- Yellow (0%)
- Black (23%)



- Cyan (65%)
- Magenta (44%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8041, 0.2270, 0.2440 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 25.8041, 0.2270, 0.2440 by changing the saturation by 10% instead.

■ 25.8041, 0.2270,
0.2440

■ 25.8041, 0.2270,
0.2440

■ 281.8191, 0.2724,
0.2893

■ 16.6771, 0.2151,
0.2320

■ 52.9587, 0.2440,
0.2611

■ 10.0046, 0.1995,
0.2162

■ 71.7552, 0.2502,
0.2673

■ 5.4020, 0.1786,
0.1949

■ 94.5437, 0.2554,
0.2725

■ 2.4850, 0.1495,
0.1649

■ 121.7085, 0.2599,
0.2769

■ 0.8691, 0.1078,
0.1215

■ 153.6340, 0.2637,
0.2807

■ 0.0000, 0.0000,
0.0000

190.7047, 0.2670,

0.2840

233.3049, 0.2698,
0.2868

■ 25.8041, 0.2270,
0.2440

■ 25.8041, 0.2270,
0.2440

■ 22.1311, 0.2126,
0.2248

■ 29.9955, 0.2425,
0.2625

■ 18.9464, 0.1999,
0.2052

■ 34.7274, 0.2586,
0.2799

■ 16.2200, 0.1893,
0.1860

■ 40.0238, 0.2749,
0.2961

■ 13.9156, 0.1810,
0.1675

■ 45.9060, 0.2910,
0.3108

■ 12.7108, 0.1770,
0.1570

■ 52.3943, 0.3066,
0.3240

■ 59.5077, 0.3215,
0.3359

■ 67.2643, 0.3356,
0.3463

■ 75.6815, 0.3488,
0.3556

■ 82.5387, 0.3528,
0.3647

Harmonies

Analogous

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



25.8041, 0.2122, 0.2669



25.8041, 0.2270, 0.2440



25.8041, 0.2633, 0.2425

Triad

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



25.8041, 0.2270, 0.2440



25.8041, 0.4138, 0.3334



25.8041, 0.3015, 0.4153

Complementary

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



25.8041, 0.2270, 0.2440



32.1384, 0.4271, 0.3985

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.



25.8041, 0.3565, 0.4312



25.8041, 0.2270, 0.2440



25.8041, 0.4241, 0.3770

Square

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



25.8041, 0.2270, 0.2440



25.8041, 0.3727, 0.2920



25.8041, 0.4019, 0.4140



25.8041, 0.2523, 0.3680

Rectangle

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



25.8041, 0.2270, 0.2440



25.8041, 0.2973, 0.2522



25.8041, 0.4019, 0.4140



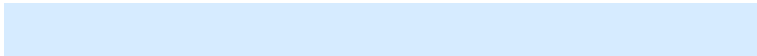
25.8041, 0.3200, 0.4246

Sweetspot

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



25.8050, 0.2270, 0.2440



80.7270, 0.2875, 0.3077



43.6433, 0.2742, 0.4138



16.7936, 0.2841, 0.3047



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.



25.8050, 0.2270, 0.2440



38.8896, 0.2100, 0.2209



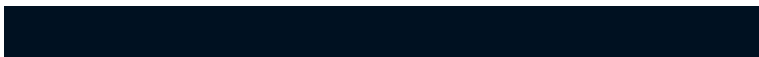
13.4818, 0.2094, 0.1582



10.5609, 0.2984, 0.3172



8.3387, 0.1776, 0.1594



0.4982, 0.1889, 0.2001

Inverse Universe

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



21.0398, 0.3883, 0.2603



31.4279, 0.4147, 0.2492



51.9591, 0.3902, 0.4570



10.1600, 0.3213, 0.3176



8.1240, 0.4938, 0.2494



0.3649, 0.4452, 0.2226

Previews

White Background



This preview shows how the Yxy color 25.8041, 0.2270, 0.2440 looks on a white background.

Color Contrast Check

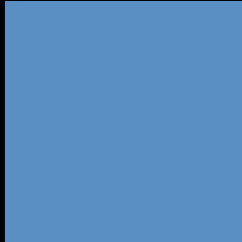
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8041, 0.2270, 0.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

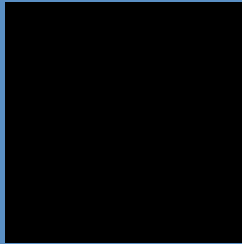
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8041, 0.2270, 0.2440

Background



This preview shows how black text looks on a background with the Yxy color 25.8041, 0.2270, 0.2440.

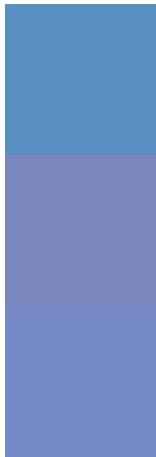


This preview shows how white text looks on a background with the Yxy color 25.8041, 0.2270, 0.2440.

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

25.8041, 0.2270, 0.2440

Protanopia

25.5075, 0.2509, 0.2439

Deuteranopia

25.6355, 0.2423, 0.2368



Tritanopia

25.6813, 0.2418, 0.3054

Trichromacy



Original Color

25.8041, 0.2270, 0.2440

Protanomaly

25.6305, 0.2409, 0.2441

Deuteranomaly

25.6223, 0.2362, 0.2385

Tritanomaly

25.7173, 0.2365, 0.2822

Monochromacy



Original Color

25.8041, 0.2270, 0.2440

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.0735, 0.2741, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8041, 0.2270, 0.2440 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(90, 143, 196)` looks like.

```
.text, #text, p{  
    color:rgb(90, 143, 196)  
}
```

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(90, 143, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 143, 196) }
```

Border

The CSS property to change the border of an element to Yxy 25.8041, 0.2270, 0.2440 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(90, 143, 196) }
```

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

```
.border{ border-color:rgb(90, 143, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 143, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 143, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 143, 196);  
box-shadow:4px 4px 4px 4px rgb(90, 143,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8041, 0.2270, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 143, 196) }
```

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

```
.background{ background-color: rgb(90, 143,  
196) }
```

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