

Converting Colors

$Y_{xy}(25.7693, 0.2440, 0.2255)$

Have a look what the booklet for
Yxy(25.7693, 0.2440, 0.2255)
contains.

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Color

Yxy(25.7698, 0.2440, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	7D86CC
RGB	125, 134, 204
RGB Percent	49%, 53%, 80%
CMY	0.5097, 0.4745, 0.2000
CMYK	0.39, 0.34, 0.00, 0.20
HSL	233°, 44%, 65%
HSV	233°, 39%, 80%
XYZ	27.8840, 25.7698, 60.6247
YIQ	139.2890, -27.8340, 19.8620

Conversions

Conversions Part 2

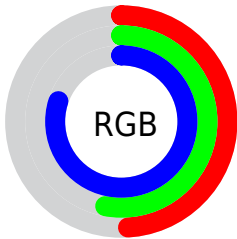
Format	Color
R_{YB}	125, 133, 204
Decimal	8226508
CIE _{Lab}	57.82, 14.05, -37.26
CIE _{LCh}	58, 39.825, 290.661
Yxy	25.7698, 0.2440, 0.2255
Android (android.graphics.Color)	4286416588 (0xFF7D86CC)
YUV	139.2890, 31.9025, -12.5315
Hunter-Lab	50.7640, 9.2107, -35.2722

Details

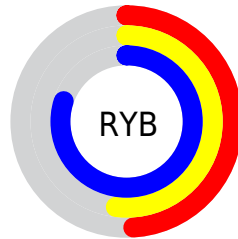
The Yxy color **25.7698, 0.2440, 0.2255** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.3606, 0.3740, 0.4147**, and the grayscale version is **25.8210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4639, 0.2615, 0.2511**, and **10.0446, 0.2217, 0.1963** is the 20% darker color. If you saturate the color by 10%, you get **19.8109, 0.2237, 0.1933**, and if you desaturate by 10%, it is **32.9006, 0.2638, 0.2561**.

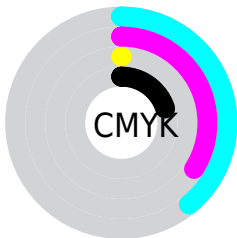
Distribution



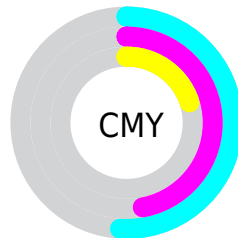
- Red (49%)
- Green (53%)
- Blue (80%)



- Red (49%)
- Yellow (52%)
- Blue (80%)



- Cyan (39%)
- Magenta (34%)
- Yellow (0%)
- Black (20%)



- Cyan (51%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7698, 0.2440, 0.2255 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 25.7698, 0.2440, 0.2255 by changing the saturation by 10% instead.

■ 25.7698, 0.2440,
0.2255

■ 25.7698, 0.2440,
0.2255

■ 281.6502, 0.2811,
0.2787

■ 16.6515, 0.2340,
0.2121

■ 52.9033, 0.2580,
0.2450

■ 9.9863, 0.2209,
0.1949

■ 71.6874, 0.2631,
0.2523

■ 5.3899, 0.2031,
0.1723

■ 94.4621, 0.2674,
0.2585

■ 2.4778, 0.1778,
0.1419

■ 121.6120, 0.2710,
0.2637

■ 0.8655, 0.1403,
0.1005

■ 153.5213, 0.2741,
0.2683

■ 0.0000, 0.0353,
0.0000

■ 190.5745, 0.2767,

■ 0.0000, 0.0000,

0.2722

0.0000

233.1560, 0.2790,
0.2757

■ 25.7698, 0.2440,
0.2255

■ 25.7698, 0.2440,
0.2255

■ 19.8109, 0.2237,
0.1933

■ 32.9006, 0.2638,
0.2561

■ 14.9582, 0.2037,
0.1610

■ 41.2587, 0.2824,
0.2842

■ 11.1437, 0.1855,
0.1304

■ 50.8993, 0.2994,
0.3094

■ 8.2908, 0.1704,
0.1038

■ 61.8733, 0.3146,
0.3317

■ 6.3118, 0.1594,
0.0829

■ 74.2291, 0.3281,
0.3512

■ 5.0928, 0.1528,
0.0689

■ 88.0124, 0.3400,
0.3680

■ 4.9781, 0.1521,
0.0676

■ 97.1392, 0.3430,
0.3790

Harmonies

Analogous

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



25.7698, 0.2062, 0.2307



25.7698, 0.2440, 0.2255



25.7698, 0.3038, 0.2423

Triad

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



25.7698, 0.2440, 0.2255



25.7698, 0.4477, 0.3746



25.7698, 0.2489, 0.3889

Complementary

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



25.7698, 0.2440, 0.2255



53.3606, 0.3740, 0.4147

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.



25.7698, 0.3097, 0.4422



25.7698, 0.2440, 0.2255



25.7698, 0.4261, 0.4221

Square

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



25.7698, 0.2440, 0.2255



25.7698, 0.4286, 0.3235



25.7698, 0.3747, 0.4514



25.7698, 0.2080, 0.3180

Rectangle

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



25.7698, 0.2440, 0.2255



25.7698, 0.3503, 0.2637



25.7698, 0.3747, 0.4514



25.7698, 0.2676, 0.4105

Sweetspot

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



25.7708, 0.2440, 0.2255



78.5484, 0.2937, 0.3011



51.4739, 0.2646, 0.3416



16.3549, 0.2915, 0.2978



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.



25.7708, 0.2440, 0.2255



34.7354, 0.2279, 0.2002



26.0334, 0.2689, 0.2200



11.0456, 0.2982, 0.3078



3.2035, 0.1525, 0.0689



0.2358, 0.1594, 0.0937

Inverse Universe

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



29.2330, 0.3970, 0.3176



41.5858, 0.4238, 0.3155



53.6298, 0.3447, 0.4331



11.2340, 0.3272, 0.3264



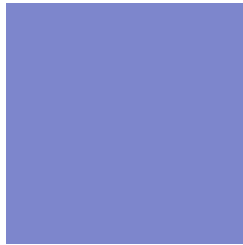
8.1264, 0.6251, 0.3217



0.4264, 0.5854, 0.2999

Previews

White Background



This preview shows how the Yxy color 25.7698, 0.2440, 0.2255 looks on a white background.

Color Contrast Check

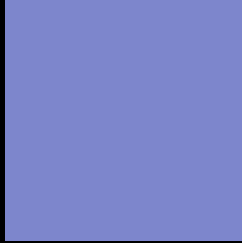
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7698, 0.2440, 0.2255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

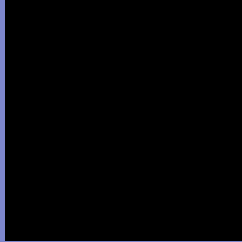
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7698, 0.2440, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 25.7698, 0.2440, 0.2255.



This preview shows how white text looks on a background with the Yxy color 25.7698, 0.2440, 0.2255.

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

25.7698, 0.2440, 0.2255

Protanopia

25.7094, 0.2356, 0.2242

Deuteranopia

25.9335, 0.2358, 0.2303



Tritanopia

25.8238, 0.2724, 0.3099

Trichromacy



Original Color

25.7698, 0.2440, 0.2255

Protanomaly

25.6577, 0.2389, 0.2246

Deuteranomaly

25.9850, 0.2392, 0.2297

Tritanomaly

25.5552, 0.2608, 0.2748

Monochromacy



Original Color

25.7698, 0.2440, 0.2255

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.6040, 0.2845, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7698, 0.2440, 0.2255 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(125, 134, 204)` looks like.

```
.text, #text, p{  
    color:rgb(125, 134, 204)  
}
```

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(125, 134, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 134, 204) }
```

Border

The CSS property to change the border of an element to Yxy 25.7698, 0.2440, 0.2255 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(125, 134, 204) }
```

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

```
.border{ border-color:rgb(125, 134, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 134, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 134, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 134, 204);  
box-shadow:4px 4px 4px 4px rgb(125, 134,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7698, 0.2440, 0.2255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 134, 204) }
```

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

```
.background{ background-color: rgb(125,  
134, 204) }
```

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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