

Converting Colors

$Y_{xy}(25.1755, 0.2401, 0.2204)$

Have a look what the booklet for
Yxy(25.1755, 0.2401, 0.2204)
contains.

Yxy(25.0963, 0.2399, 0.2196)	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(25.0963, 0.2399, 0.2196)

Conversions

Conversions Part 1

Format	Color
Hex	7A84CE
RGB	122, 132, 206
RGB Percent	48%, 52%, 81%
CMY	0.5215, 0.4823, 0.1923
CMYK	0.41, 0.36, 0.00, 0.19
HSL	233°, 46%, 64%
HSV	233°, 41%, 81%
XYZ	27.4162, 25.0963, 61.7694
YIQ	137.4460, -29.7140, 20.8940

Conversions

Conversions Part 2

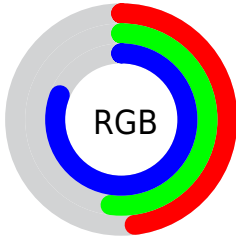
Format	Color
R_{YB}	122, 131, 206
Decimal	8029390
CIE _{Lab}	57.17, 14.98, -39.41
CIE _{LCh}	57, 42.162, 290.812
Yxy	25.0963, 0.2399, 0.2196
Android (android.graphics.Color)	4286219470 (0xFF7A84CE)
YUV	137.4460, 33.7971, -13.5461
Hunter-Lab	50.0962, 10.0196, -38.0381

Details

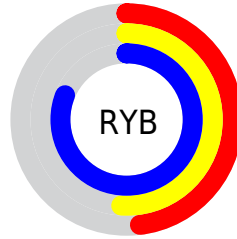
The Yxy color **25.0963, 0.2399, 0.2196** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.9944, 0.3776, 0.4187**, and the grayscale version is **25.0734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2650, 0.2593, 0.2483**, and **9.6498, 0.2158, 0.1882** is the 20% darker color. If you saturate the color by 10%, you get **19.2482, 0.2196, 0.1874**, and if you desaturate by 10%, it is **32.1210, 0.2598, 0.2504**.

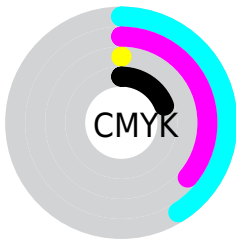
Distribution



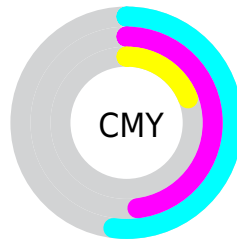
- Red (48%)
- Green (52%)
- Blue (81%)



- Red (48%)
- Yellow (51%)
- Blue (81%)



- Cyan (41%)
- Magenta (36%)
- Yellow (0%)
- Black (19%)



- Cyan (52%)
- Magenta (48%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0963, 0.2399, 0.2196 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 25.0963, 0.2399, 0.2196 by changing the saturation by 10% instead.

■ 25.0963, 0.2399,
0.2196

■ 25.0963, 0.2399,
0.2196

■ 278.3172, 0.2792,
0.2758

■ 16.1488, 0.2294,
0.2055

■ 51.8134, 0.2548,
0.2402

■ 9.6295, 0.2155,
0.1875

■ 70.3518, 0.2602,
0.2479

■ 5.1540, 0.1967,
0.1641

■ 92.8560, 0.2647,
0.2543

■ 2.3379, 0.1702,
0.1328

■ 119.7103, 0.2685,
0.2599

■ 0.7937, 0.1317,
0.0907

■ 151.2992, 0.2718,
0.2647

■ 0.0000, 0.0204,
0.0000

■ 188.0071, 0.2746,

■ 0.0000, 0.0000,

0.2689

0.0000

230.2183, 0.2771,
0.2725

■ 25.0963, 0.2399,
0.2196

■ 25.0963, 0.2399,
0.2196

■ 19.2482, 0.2196,
0.1874

■ 32.1210, 0.2598,
0.2504

■ 14.5092, 0.2000,
0.1554

■ 40.3791, 0.2787,
0.2789

■ 10.8093, 0.1823,
0.1255

■ 49.9271, 0.2960,
0.3046

■ 8.0692, 0.1680,
0.0998

■ 60.8172, 0.3116,
0.3274

■ 6.1979, 0.1579,
0.0801

■ 73.0987, 0.3255,
0.3473

■ 5.1284, 0.1523,
0.0681

■ 86.8184, 0.3377,
0.3646

■ 97.2346, 0.3418,
0.3771

Harmonies

Analogous

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



25.0963, 0.2001, 0.2246



25.0963, 0.2399, 0.2196



25.0963, 0.3033, 0.2374

Triad

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



25.0963, 0.2399, 0.2196



25.0963, 0.4566, 0.3766



25.0963, 0.2442, 0.3929

Complementary

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



25.0963, 0.2399, 0.2196



53.9944, 0.3776, 0.4187

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.



25.0963, 0.3085, 0.4507



25.0963, 0.2399, 0.2196



25.0963, 0.4327, 0.4273

Square

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



25.0963, 0.2399, 0.2196



25.0963, 0.4367, 0.3228



25.0963, 0.3776, 0.4597



25.0963, 0.2014, 0.3163

Rectangle

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



25.0963, 0.2399, 0.2196



25.0963, 0.3530, 0.2600



25.0963, 0.3776, 0.4597



25.0963, 0.2639, 0.4163

Sweetspot

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



25.0972, 0.2399, 0.2196



78.6397, 0.2937, 0.3012



52.1951, 0.2633, 0.3443



16.3762, 0.2915, 0.2980



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.



25.0972, 0.2399, 0.2196



32.1931, 0.2219, 0.1911



25.1315, 0.2646, 0.2131



11.0553, 0.2982, 0.3079



3.2342, 0.1526, 0.0695



0.2403, 0.1598, 0.0952

Inverse Universe

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



28.7070, 0.4031, 0.3164



39.2801, 0.4344, 0.3140



54.6673, 0.3473, 0.4386



11.2350, 0.3272, 0.3263



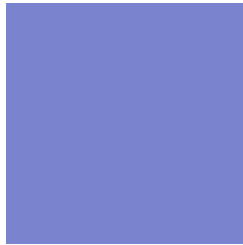
8.1295, 0.6241, 0.3212



0.4268, 0.5831, 0.2986

Previews

White Background



This preview shows how the Yxy color 25.0963, 0.2399, 0.2196 looks on a white background.

Color Contrast Check

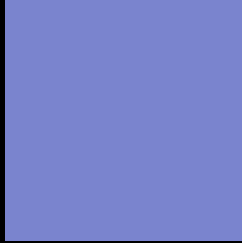
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0963, 0.2399, 0.2196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

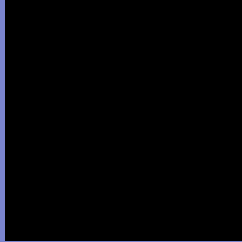
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0963, 0.2399, 0.2196

Background



This preview shows how black text looks on a background with the Yxy color 25.0963, 0.2399, 0.2196.

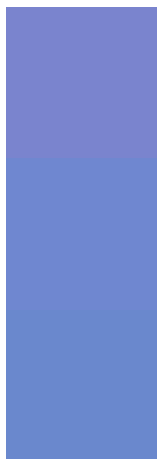


This preview shows how white text looks on a background with the Yxy color 25.0963, 0.2399, 0.2196.

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

25.0963, 0.2399, 0.2196

Protanopia

25.2615, 0.2313, 0.2196

Deuteranopia

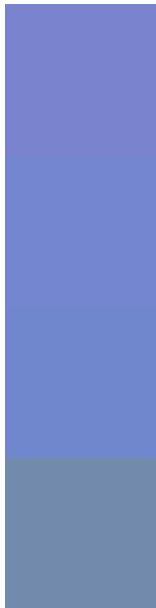
25.0803, 0.2299, 0.2238



Tritanopia

25.2292, 0.2696, 0.3097

Trichromacy



Original Color

25.0963, 0.2399, 0.2196

Protanomaly

25.2000, 0.2345, 0.2200

Deuteranomaly

25.1805, 0.2338, 0.2233

Tritanomaly

25.0598, 0.2581, 0.2727

Monochromacy



Original Color

25.0963, 0.2399, 0.2196

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.8421, 0.2832, 0.2848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0963, 0.2399, 0.2196 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(122, 132, 206)` looks like.

```
.text, #text, p{  
    color:rgb(122, 132, 206)  
}
```

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(122, 132, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 132, 206) }
```

Border

The CSS property to change the border of an element to Yxy 25.0963, 0.2399, 0.2196 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(122, 132, 206) }
```

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

```
.border{ border-color:rgb(122, 132, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 132, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 132, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 132, 206);  
box-shadow:4px 4px 4px 4px rgb(122, 132,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0963, 0.2399, 0.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 132, 206) }
```

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

```
.background{ background-color: rgb(122,  
132, 206) }
```

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