

Converting Colors

$Y_{xy}(24.7560, 0.2393, 0.2090)$

Have a look what the booklet for
Yxy(24.7560, 0.2393, 0.2090)
contains.

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Color

Yxy(24.7038, 0.2390, 0.2083)

Conversions

Conversions Part 1

Format	Color
Hex	7F80D4
RGB	127, 128, 212
RGB Percent	50%, 50%, 83%
CMY	0.5022, 0.4979, 0.1687
CMYK	0.40, 0.40, 0.00, 0.17
HSL	239°, 50%, 66%
HSV	239°, 40%, 83%
XYZ	28.3447, 24.7038, 65.5487
YIQ	137.2770, -27.5600, 25.9120

Conversions

Conversions Part 2

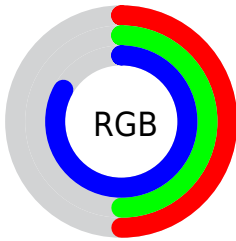
Format	Color
RYB	127, 128, 212
Decimal	8356052
CIELab	56.79, 20.32, -43.38
CIELCh	57, 47.906, 295.099
Yxy	24.7038, 0.2390, 0.2083
Android (android.graphics.Color)	4286546132 (0xFF7F80D4)
YUV	137.2770, 36.8384, -9.0129
Hunter-Lab	49.7029, 14.8154, -43.4002

Details

The Yxy color **24.7038, 0.2390, 0.2083** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **62.0533, 0.3729, 0.4266**, and the grayscale version is **24.9891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3350, 0.2627, 0.2445**, and **9.4428, 0.2146, 0.1743** is the 20% darker color. If you saturate the color by 10%, you get **18.3374, 0.2176, 0.1730**, and if you desaturate by 10%, it is **32.5398, 0.2599, 0.2426**.

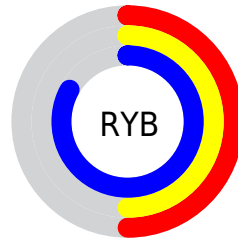
Distribution



Red (50%)

Green (50%)

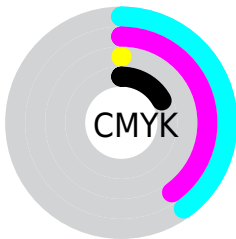
Blue (83%)



Red (50%)

Yellow (50%)

Blue (83%)

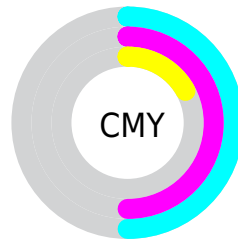


Cyan (40%)

Magenta (40%)

Yellow (0%)

Black (17%)



Cyan (50%)


Magenta (50%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7038, 0.2390, 0.2083 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 24.7038, 0.2390, 0.2083 by changing the saturation by 10% instead.


 24.7038, 0.2390,
0.2083


 24.7038, 0.2390,
0.2083


276.3596, 0.2790,
0.2695


 15.8565, 0.2283,
0.1933

 51.1763, 0.2541,
0.2304

 9.4227, 0.2142,
0.1744


 69.5703, 0.2597,
0.2388

 5.0179, 0.1952,
0.1501


 91.9153, 0.2643,
0.2459

 2.2578, 0.1686,
0.1186

118.5958, 0.2681,
0.2520

 0.7512, 0.1305,
0.0774

149.9960, 0.2714,
0.2572

 0.0000, 0.0398,
0.0000

186.5005, 0.2743,

 0.0000, 0.0000,

0.2618

0.0000

228.4935, 0.2768,
0.2659

■ 24.7038, 0.2390,
0.2083

■ 24.7038, 0.2390,
0.2083

■ 18.3374, 0.2176,
0.1730

■ 32.5398, 0.2599,
0.2426

■ 13.3465, 0.1969,
0.1388

■ 41.9261, 0.2794,
0.2745

■ 9.6305, 0.1786,
0.1085

■ 52.9410, 0.2970,
0.3033

■ 7.0740, 0.1642,
0.0845

■ 65.6563, 0.3125,
0.3287

■ 5.5405, 0.1549,
0.0686

■ 80.1400, 0.3261,
0.3508

■ 4.8121, 0.1502,
0.0607

■ 96.4560, 0.3378,
0.3698

■ 97.5325, 0.3382,
0.3711

Harmonies

Analogous

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



24.7038, 0.1913, 0.2093



24.7038, 0.2390, 0.2083



24.7038, 0.3132, 0.2313

Triad

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



24.7038, 0.2390, 0.2083



24.7038, 0.4746, 0.3884



24.7038, 0.2258, 0.3899

Complementary

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



24.7038, 0.2390, 0.2083



62.0533, 0.3729, 0.4266

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.



24.7038, 0.2951, 0.4638



24.7038, 0.2390, 0.2083



24.7038, 0.4397, 0.4450

Square

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



24.7038, 0.2390, 0.2083



24.7038, 0.4607, 0.3287



24.7038, 0.3733, 0.4802



24.7038, 0.1834, 0.3015

Rectangle

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



24.7038, 0.2390, 0.2083



24.7038, 0.3704, 0.2578



24.7038, 0.3733, 0.4802



24.7038, 0.2466, 0.4189

Sweetspot

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



24.7047, 0.2390, 0.2083



76.8716, 0.2936, 0.2978



56.2652, 0.2585, 0.3307



15.9642, 0.2914, 0.2941



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.



24.7047, 0.2390, 0.2083



29.2755, 0.2210, 0.1787



28.2412, 0.2746, 0.2177



12.0342, 0.2981, 0.3052



2.9826, 0.1503, 0.0609



0.1892, 0.1510, 0.0637

Inverse Universe

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



30.7134, 0.4124, 0.3279



39.6521, 0.4454, 0.3278



57.2514, 0.3391, 0.4399



12.4234, 0.3289, 0.3287



8.6459, 0.6386, 0.3291



0.5224, 0.6338, 0.3265

Previews

White Background



This preview shows how the Yxy color 24.7038, 0.2390, 0.2083 looks on a white background.

Color Contrast Check

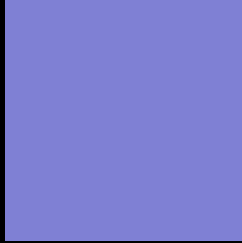
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7038, 0.2390, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

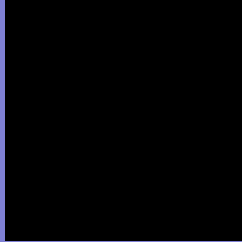
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7038, 0.2390, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 24.7038, 0.2390, 0.2083.



This preview shows how white text looks on a background with the Yxy color 24.7038, 0.2390, 0.2083.

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

24.7038, 0.2390, 0.2083

Protanopia

24.7279, 0.2212, 0.2054

Deuteranopia

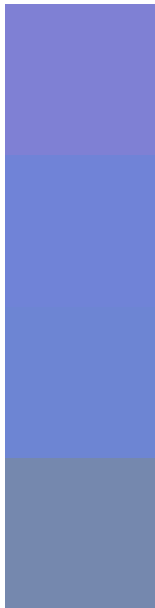
24.8581, 0.2220, 0.2166



Tritanopia

24.7615, 0.2735, 0.3096

Trichromacy



Original Color

24.7038, 0.2390, 0.2083

Protanomaly

24.5836, 0.2269, 0.2061

Deuteranomaly

24.7294, 0.2277, 0.2128

Tritanomaly

24.4462, 0.2592, 0.2665

Monochromacy



Original Color

24.7038, 0.2390, 0.2083

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.7171, 0.2823, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7038, 0.2390, 0.2083 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(127, 128, 212)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 212)  
}
```

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(127, 128, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 212) }
```

Border

The CSS property to change the border of an element to Yxy 24.7038, 0.2390, 0.2083 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(127, 128, 212) }
```

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

```
.border{ border-color:rgb(127, 128, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 128, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 212);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7038, 0.2390, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 212) }
```

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

```
.background{ background-color: rgb(127,  
128, 212) }
```

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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