

Converting Colors

$Y_{xy}(39.0950, 0.2448, 0.2790)$

Have a look what the booklet for
Yxy(39.0950, 0.2448, 0.2790)
contains.

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Color

Yxy(39.0950, 0.2448, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	75AFD2
RGB	117, 175, 210
RGB Percent	46%, 69%, 82%
CMY	0.5411, 0.3137, 0.1764
CMYK	0.44, 0.17, 0.00, 0.18
HSL	203°, 51%, 64%
HSV	203°, 44%, 82%
XYZ	34.3027, 39.0950, 66.7277
YIQ	161.6480, -45.8030, -1.4110

Conversions

Conversions Part 2

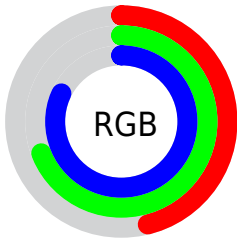
Format	Color
RYB	117, 153, 210
Decimal	7712722
CIELab	68.82, -9.62, -23.64
CIELCh	69, 25.521, 247.862
Yxy	39.0950, 0.2448, 0.2790
Android (android.graphics.Color)	4285902802 (0xFF75AFD2)
YUV	161.6480, 23.8375, -39.1563
Hunter-Lab	62.5260, -11.4927, -19.5061

Details

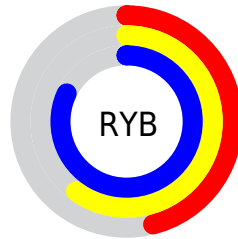
The Yxy color **39.0950, 0.2448, 0.2790** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.4615, 0.4087, 0.3731**, and the grayscale version is **35.8634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2561, 0.2633, 0.3021**, and **17.5246, 0.2259, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **34.8115, 0.2309, 0.2653**, and if you desaturate by 10%, it is **43.8882, 0.2597, 0.2920**.

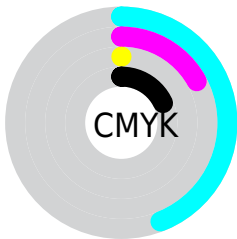
Distribution



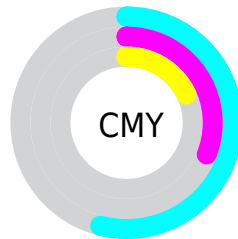
- Red (46%)
- Green (69%)
- Blue (82%)



- Red (46%)
- Yellow (60%)
- Blue (82%)



- Cyan (44%)
- Magenta (17%)
- Yellow (0%)
- Black (18%)





- Cyan (54%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0950, 0.2448, 0.2790 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 39.0950, 0.2448, 0.2790 by changing the saturation by 10% instead.


 39.0950, 0.2448,
0.2790


 39.0950, 0.2448,
0.2790

342.2942, 0.2788,
0.3049

 26.8336, 0.2364,
0.2723


 73.7834, 0.2571,
0.2886

 17.4483, 0.2257,
0.2637


 96.9793, 0.2618,
0.2921

 10.5546, 0.2116,
0.2521


 124.5887, 0.2657,
0.2951

 5.7682, 0.1923,
0.2358

156.9962, 0.2691,
0.2976

 2.7047, 0.1648,
0.2115

194.5861, 0.2720,
0.2998

 0.9796, 0.1224,
0.1730

237.7428, 0.2745,

 0.0000, 0.0000,

0.3017

0.0000

286.8507, 0.2768,
0.3034

■ 39.0950, 0.2448,
0.2790

■ 39.0950, 0.2448,
0.2790

■ 34.8115, 0.2309,
0.2653

■ 43.8882, 0.2597,
0.2920

■ 31.0082, 0.2183,
0.2510

■ 49.2096, 0.2751,
0.3040

■ 27.6585, 0.2075,
0.2364

■ 55.0822, 0.2907,
0.3150

■ 24.7304, 0.1986,
0.2219

■ 61.5258, 0.3062,
0.3250

■ 22.1858, 0.1919,
0.2076

■ 68.5593, 0.3213,
0.3340

■ 20.8676, 0.1888,
0.1995

■ 76.2006, 0.3360,
0.3420

■ 82.7127, 0.3434,
0.3495

■ 87.2250, 0.3421,
0.3572

■ 91.9398, 0.3408,
0.3648

Harmonies

Analogous

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



39.0950, 0.2445, 0.3049



39.0950, 0.2448, 0.2790



39.0950, 0.2619, 0.2678

Triad

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



39.0950, 0.2448, 0.2790



39.0950, 0.3659, 0.3150



39.0950, 0.3292, 0.3950

Complementary

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



39.0950, 0.2448, 0.2790



37.4615, 0.4087, 0.3731

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.



39.0950, 0.3636, 0.3938



39.0950, 0.2448, 0.2790



39.0950, 0.3861, 0.3458

Square

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



39.0950, 0.2448, 0.2790



39.0950, 0.3310, 0.2886



39.0950, 0.3850, 0.3747



39.0950, 0.2918, 0.3752

Rectangle

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



39.0950, 0.2448, 0.2790



39.0950, 0.2812, 0.2687



39.0950, 0.3850, 0.3747



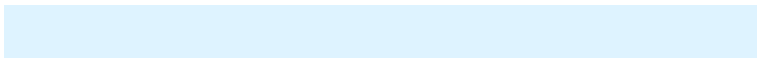
39.0950, 0.3416, 0.3970

Sweetspot

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



39.0965, 0.2448, 0.2790



86.5373, 0.2925, 0.3162



52.1277, 0.2865, 0.4150



18.0664, 0.2890, 0.3139



0.0000, 0.0000, 0.0000



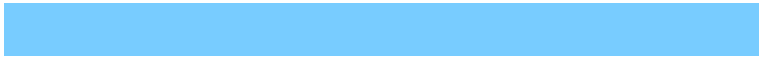
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.0965, 0.2448, 0.2790



54.4358, 0.2318, 0.2663



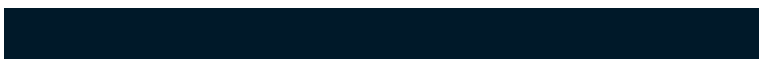
24.2482, 0.2330, 0.2102



12.6277, 0.2983, 0.3200



12.9243, 0.1893, 0.2016



0.8727, 0.1966, 0.2276

Inverse Universe

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



29.5270, 0.3559, 0.2583



39.0213, 0.3690, 0.2447



55.2074, 0.3840, 0.4248



11.9304, 0.3195, 0.3146



9.3760, 0.4435, 0.2217



0.5394, 0.4152, 0.2061

Previews

White Background



This preview shows how the Yxy color 39.0950, 0.2448, 0.2790 looks on a white background.

Color Contrast Check

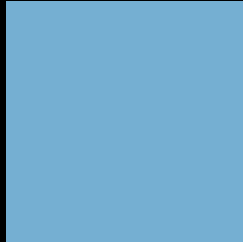
Large Text (above 18pt) WCAG AA × Fail

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 39.0950, 0.2448, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

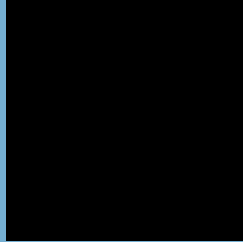
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

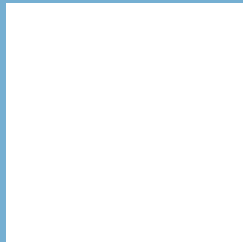
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.0950, 0.2448, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 39.0950, 0.2448, 0.2790.



This preview shows how white text looks on a background with the Yxy color 39.0950, 0.2448, 0.2790.

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

39.0950, 0.2448, 0.2790

Protanopia

38.9552, 0.2772, 0.2790

Deuteranopia

38.7780, 0.2714, 0.2654



Tritanopia

39.0913, 0.2530, 0.3080

Trichromacy



Original Color

39.0950, 0.2448, 0.2790

Protanomaly

38.7615, 0.2640, 0.2778

Deuteranomaly

38.6377, 0.2605, 0.2702

Tritanomaly

39.1452, 0.2498, 0.2966

Monochromacy



Original Color

39.0950, 0.2448, 0.2790

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.0031, 0.2845, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0950, 0.2448, 0.2790 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(117, 175, 210)` looks like.

```
.text, #text, p{  
    color:rgb(117, 175, 210)  
}
```

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(117, 175, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 175, 210) }
```

Border

The CSS property to change the border of an element to Yxy 39.0950, 0.2448, 0.2790 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(117, 175, 210) }
```

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

```
.border{ border-color:rgb(117, 175, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 175, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 175, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 175, 210);  
box-shadow:4px 4px 4px 4px rgb(117, 175,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0950, 0.2448, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 175, 210) }
```

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

```
.background{ background-color: rgb(117,  
175, 210) }
```

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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