

Converting Colors

$Y_{xy}(39.2413, 0.2379, 0.2733)$

Have a look what the booklet for
Yxy(39.2413, 0.2379, 0.2733)
contains.

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Color

Yxy(39.2082, 0.2378, 0.2735)

Conversions

Conversions Part 1

Format	Color
Hex	6DB0D7
RGB	109, 176, 215
RGB Percent	43%, 69%, 84%
CMY	0.5728, 0.3097, 0.1569
CMYK	0.49, 0.18, 0.00, 0.16
HSL	202°, 57%, 64%
HSV	202°, 49%, 84%
XYZ	34.0903, 39.2082, 70.0587
YIQ	160.4130, -52.4510, -2.0750

Conversions

Conversions Part 2

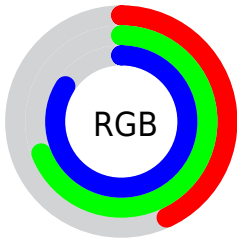
Format	Color
R _{YB}	109, 150, 215
Decimal	7188695
CIE Lab	68.90, -10.71, -26.28
CIE LCh	69, 28.377, 247.835
Yxy	39.2082, 0.2378, 0.2735
Android (android.graphics.Color)	4285378775 (0xFF6DB0D7)
YUV	160.4130, 26.9114, -45.0892
Hunter-Lab	62.6165, -12.3978, -22.5053

Details

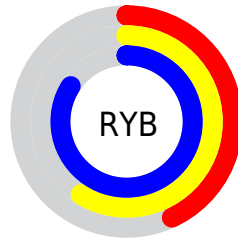
The Yxy color **39.2082, 0.2378, 0.2735** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.7006, 0.4246, 0.3768**, and the grayscale version is **35.2393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0402, 0.2598, 0.3030**, and **17.6315, 0.2174, 0.2579** is the 20% darker color. If you saturate the color by 10%, you get **35.0006, 0.2246, 0.2598**, and if you desaturate by 10%, it is **43.9324, 0.2521, 0.2865**.

Distribution



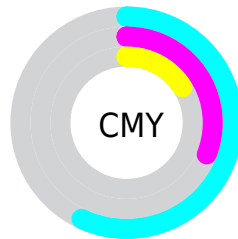
- Red (43%)
- Green (69%)
- Blue (84%)



- Red (43%)
- Yellow (59%)
- Blue (84%)



- Cyan (49%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)



- Cyan (57%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2082, 0.2378, 0.2735 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 39.2082, 0.2378, 0.2735 by changing the saturation by 10% instead.

■ 39.2082, 0.2378,
0.2735

■ 39.2082, 0.2378,
0.2735

■ 342.7749, 0.2751,
0.3022

■ 26.9217, 0.2286,
0.2662

■ 73.9563, 0.2513,
0.2841

■ 17.5144, 0.2170,
0.2567

■ 97.1867, 0.2564,
0.2880

■ 10.6020, 0.2019,
0.2440

■ 124.8338, 0.2607,
0.2913

■ 5.7999, 0.1814,
0.2263

■ 157.2821, 0.2644,
0.2941

■ 2.7238, 0.1526,
0.2004

■ 194.9160, 0.2676,
0.2965

■ 0.9893, 0.1093,
0.1601

■ 238.1198, 0.2704,

■ 0.0000, 0.0000,

0.2987

0.0000

287.2780, 0.2729,
0.3005

■ 39.2082, 0.2378,
0.2735

■ 39.2082, 0.2378,
0.2735

■ 35.0006, 0.2246,
0.2598

■ 43.9324, 0.2521,
0.2865

■ 31.2775, 0.2130,
0.2457

■ 49.1942, 0.2673,
0.2987

■ 28.0090, 0.2033,
0.2315

■ 55.0181, 0.2828,
0.3100

■ 25.1586, 0.1957,
0.2173

■ 61.4258, 0.2984,
0.3203

■ 22.6674, 0.1900,
0.2035

■ 68.4376, 0.3137,
0.3296

■ 22.5099, 0.1896,
0.2026

■ 76.0727, 0.3287,
0.3379

■ 83.5003, 0.3399,
0.3454

■ 88.0320, 0.3387,
0.3531

■ 92.7660, 0.3375,
0.3607

Harmonies

Analogous

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



39.2082, 0.2374, 0.3020



39.2082, 0.2378, 0.2735



39.2082, 0.2564, 0.2614

Triad

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



39.2082, 0.2378, 0.2735



39.2082, 0.3718, 0.3133



39.2082, 0.3308, 0.4028

Complementary

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



39.2082, 0.2378, 0.2735



36.7006, 0.4246, 0.3768

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.



39.2082, 0.3690, 0.4008



39.2082, 0.2378, 0.2735



39.2082, 0.3943, 0.3471

Square

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



39.2082, 0.2378, 0.2735



39.2082, 0.3329, 0.2844



39.2082, 0.3929, 0.3791



39.2082, 0.2893, 0.3807

Rectangle

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



39.2082, 0.2378, 0.2735



39.2082, 0.2777, 0.2626



39.2082, 0.3929, 0.3791



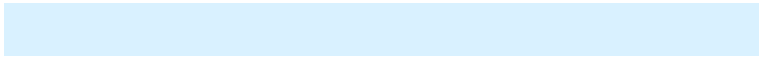
39.2082, 0.3445, 0.4048

Sweetspot

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



39.2097, 0.2378, 0.2735



84.8101, 0.2893, 0.3145



53.9786, 0.2843, 0.4271



17.7307, 0.2860, 0.3122



0.0000, 0.0000, 0.0000



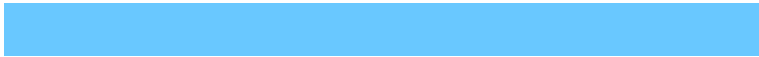
21.4041, 0.3127, 0.3290

Same Dimension

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



39.2097, 0.2378, 0.2735



51.3696, 0.2243, 0.2595



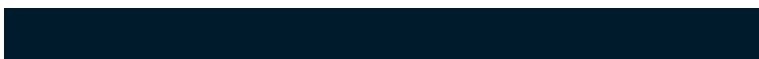
22.3362, 0.2226, 0.1938



13.3048, 0.2982, 0.3202



13.6726, 0.1902, 0.2047



0.9802, 0.1968, 0.2286

Inverse Universe

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



28.5038, 0.3617, 0.2495



35.4282, 0.3766, 0.2356



57.2549, 0.3922, 0.4349



12.5517, 0.3193, 0.3144



9.7251, 0.4400, 0.2198



0.6023, 0.4141, 0.2055

Previews

White Background



This preview shows how the Yxy color 39.2082, 0.2378, 0.2735 looks on a white background.

Color Contrast Check

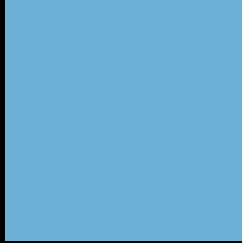
Large Text (above 18pt) WCAG AA × Fail

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 39.2082, 0.2378, 0.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

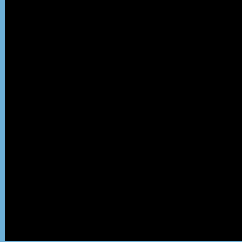
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

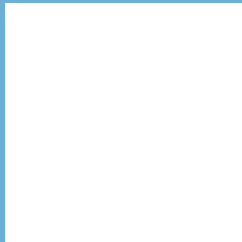
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.2082, 0.2378, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 39.2082, 0.2378, 0.2735.

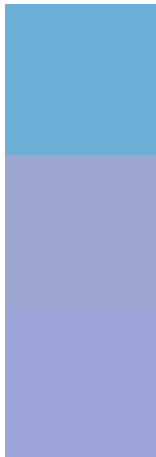


This preview shows how white text looks on a background with the Yxy color 39.2082, 0.2378, 0.2735.

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

39.2082, 0.2378, 0.2735

Protanopia

38.9946, 0.2721, 0.2726

Deuteranopia

39.1403, 0.2651, 0.2593



Tritanopia

39.3623, 0.2466, 0.3078

Trichromacy



Original Color

39.2082, 0.2378, 0.2735

Protanomaly

39.0280, 0.2580, 0.2726

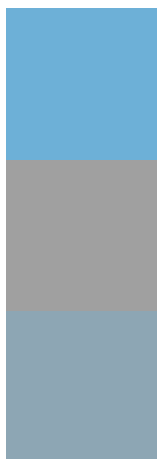
Deuteranomaly

38.9611, 0.2541, 0.2638

Tritanomaly

39.5077, 0.2435, 0.2951

Monochromacy



Original Color

39.2082, 0.2378, 0.2735

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.2304, 0.2796, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2082, 0.2378, 0.2735 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(109, 176, 215)` looks like.

```
.text, #text, p{  
    color:rgb(109, 176, 215)  
}
```

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(109, 176, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 176, 215) }
```

Border

The CSS property to change the border of an element to Yxy 39.2082, 0.2378, 0.2735 is called "border". The border property can be set on classes, ids or directly on the HTML element.

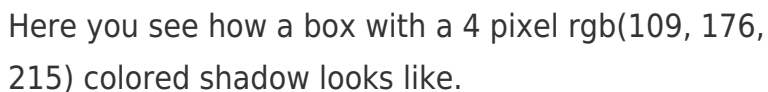
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 176, 215) }
```

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

```
.border{ border-color:rgb(109, 176, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(109, 176, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 176, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 176, 215); box-shadow:4px 4px 4px 4px rgb(109, 176, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2082, 0.2378, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 176, 215) }
```

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

```
.background{ background-color: rgb(109,  
176, 215) }
```

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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