

Converting Colors

$Y_{xy}(39.0858, 0.2373, 0.2748)$

Have a look what the booklet for
Yxy(39.0858, 0.2373, 0.2748)
contains.

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Color

Yxy(39.0315, 0.2373, 0.2746)

Conversions

Conversions Part 1

Format	Color
Hex	6BB0D6
RGB	107, 176, 214
RGB Percent	42%, 69%, 84%
CMY	0.5803, 0.3098, 0.1608
CMYK	0.50, 0.18, 0.00, 0.16
HSL	201°, 57%, 63%
HSV	201°, 50%, 84%
XYZ	33.7297, 39.0315, 69.3783
YIQ	159.7010, -53.3220, -2.8100

Conversions

Conversions Part 2

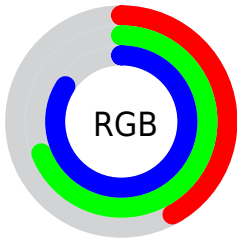
Format	Color
R _Y B	107, 149, 214
Decimal	7057622
CIE Lab	68.77, -11.41, -25.94
CIE LCh	69, 28.339, 246.252
Yxy	39.0315, 0.2373, 0.2746
Android (android.graphics.Color)	4285247702 (0xFF6BB0D6)
YUV	159.7010, 26.7694, -46.2188
Hunter-Lab	62.4752, -12.9613, -22.1085

Details

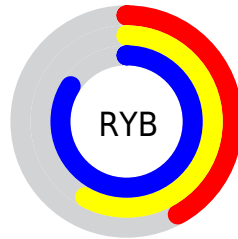
The Yxy color **39.0315, 0.2373, 0.2746** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **35.6242, 0.4274, 0.3758**, and the grayscale version is **34.9064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8257, 0.2588, 0.3029**, and **17.5228, 0.2166, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **34.9671, 0.2244, 0.2614**, and if you desaturate by 10%, it is **43.5941, 0.2514, 0.2872**.

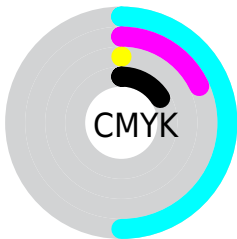
Distribution



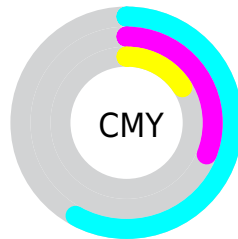
- Red (42%)
- Green (69%)
- Blue (84%)



- Red (42%)
- Yellow (58%)
- Blue (84%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)



- Cyan (58%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0315, 0.2373, 0.2746 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 39.0315, 0.2373, 0.2746 by changing the saturation by 10% instead.

■ 39.0315, 0.2373,
0.2746

■ 39.0315, 0.2373,
0.2746

■ 342.0244, 0.2749,
0.3028

■ 26.7842, 0.2281,
0.2674

■ 73.6864, 0.2509,
0.2850

■ 17.4112, 0.2164,
0.2580

■ 96.8629, 0.2560,
0.2889

■ 10.5281, 0.2011,
0.2454

■ 124.4512, 0.2603,
0.2921

■ 5.7505, 0.1804,
0.2279

■ 156.8358, 0.2641,
0.2949

■ 2.6940, 0.1514,
0.2020

■ 194.4010, 0.2673,
0.2973

■ 0.9741, 0.1070,
0.1617

■ 237.5312, 0.2702,

■ 0.0000, 0.0000,

0.2993

0.0000

286.6109, 0.2727,
0.3012

■ 39.0315, 0.2373,
0.2746

■ 39.0315, 0.2373,
0.2746

■ 34.9671, 0.2244,
0.2614

■ 43.5941, 0.2514,
0.2872

■ 31.3692, 0.2131,
0.2478

■ 48.6754, 0.2664,
0.2990

■ 28.2083, 0.2037,
0.2340

■ 54.2995, 0.2818,
0.3100

■ 25.4481, 0.1964,
0.2204

■ 60.4877, 0.2974,
0.3200

■ 23.0256, 0.1909,
0.2071

■ 67.2599, 0.3127,
0.3290

■ 23.0221, 0.1909,
0.2070

■ 74.6349, 0.3278,
0.3371

■ 82.2797, 0.3409,
0.3443

■ 86.5861, 0.3397,
0.3518

■ 91.0791, 0.3385,
0.3591

Harmonies

Analogous

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



39.0315, 0.2379, 0.3039



39.0315, 0.2373, 0.2746



39.0315, 0.2550, 0.2616

Triad

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



39.0315, 0.2373, 0.2746



39.0315, 0.3701, 0.3116



39.0315, 0.3330, 0.4033

Complementary

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



39.0315, 0.2373, 0.2746



35.6242, 0.4274, 0.3758

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.



39.0315, 0.3707, 0.4001



39.0315, 0.2373, 0.2746



39.0315, 0.3937, 0.3453

Square

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



39.0315, 0.2373, 0.2746



39.0315, 0.3306, 0.2831



39.0315, 0.3936, 0.3776



39.0315, 0.2914, 0.3824

Rectangle

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



39.0315, 0.2373, 0.2746



39.0315, 0.2758, 0.2623



39.0315, 0.3936, 0.3776



39.0315, 0.3466, 0.4049

Sweetspot

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



39.0330, 0.2373, 0.2746



85.0863, 0.2893, 0.3149



53.2528, 0.2850, 0.4314



17.7974, 0.2860, 0.3128



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.



39.0330, 0.2373, 0.2746



51.6480, 0.2236, 0.2606



22.1696, 0.2219, 0.1944



13.3308, 0.2982, 0.3205



14.1171, 0.1914, 0.2090



1.0050, 0.1978, 0.2321

Inverse Universe

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



27.9545, 0.3610, 0.2472



34.9626, 0.3760, 0.2327



55.7299, 0.3941, 0.4343



12.5543, 0.3192, 0.3141



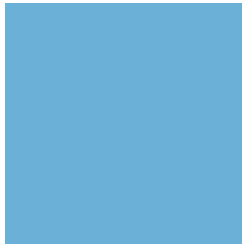
9.7700, 0.4352, 0.2171



0.6048, 0.4104, 0.2035

Previews

White Background



This preview shows how the Yxy color 39.0315, 0.2373, 0.2746 looks on a white background.

Color Contrast Check

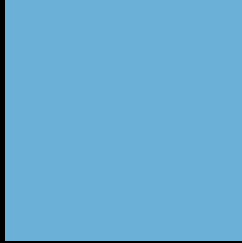
Large Text (above 18pt) WCAG AA × Fail

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 39.0315, 0.2373, 0.2746 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 39.0315, 0.2373, 0.2746

Background



This preview shows how black text looks on a background with the Yxy color 39.0315, 0.2373, 0.2746.

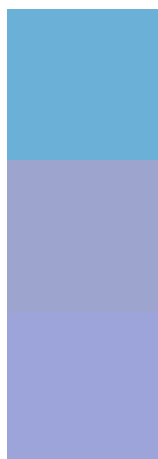


This preview shows how white text looks on a background with the Yxy color 39.0315, 0.2373, 0.2746.

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

39.0315, 0.2373, 0.2746

Protanopia

38.5346, 0.2734, 0.2736

Deuteranopia

38.7288, 0.2656, 0.2591



Tritanopia

38.8446, 0.2453, 0.3062

Trichromacy



Original Color

39.0315, 0.2373, 0.2746

Protanomaly

38.4684, 0.2584, 0.2735

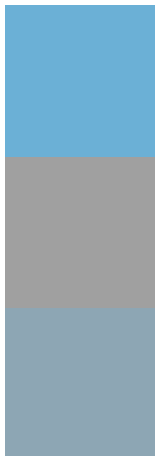
Deuteranomaly

38.4521, 0.2538, 0.2635

Tritanomaly

38.9414, 0.2427, 0.2948

Monochromacy



Original Color

39.0315, 0.2373, 0.2746

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 39.0315, 0.2373, 0.2746 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(107, 176, 214)` looks like.

```
.text, #text, p{  
    color:rgb(107, 176, 214)  
}
```

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(107, 176, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 176, 214) }
```

Border

The CSS property to change the border of an element to Yxy 39.0315, 0.2373, 0.2746 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(107, 176, 214) }
```

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

```
.border{ border-color:rgb(107, 176, 214) }
```

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

Here you see how a box with a 4 pixel rgb(107, 176, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 176, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 176, 214);  
box-shadow:4px 4px 4px 4px rgb(107, 176,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0315, 0.2373, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 176, 214) }
```

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

```
.background{ background-color: rgb(107,  
176, 214) }
```

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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