

Converting Colors

$Yxy(39.0167, 0.2334, 0.2670)$

Have a look what the booklet for
Yxy(39.0167, 0.2334, 0.2670)
contains.

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Color

Yxy(39.1684, 0.2337, 0.2681)

Conversions

Conversions Part 1

Format	Color
Hex	69B0DB
RGB	105, 176, 219
RGB Percent	41%, 69%, 86%
CMY	0.5880, 0.3098, 0.1411
CMYK	0.52, 0.20, 0.00, 0.14
HSL	203°, 61%, 64%
HSV	203°, 52%, 86%
XYZ	34.1427, 39.1684, 72.7851
YIQ	159.6730, -56.1190, -1.6790

Conversions

Conversions Part 2

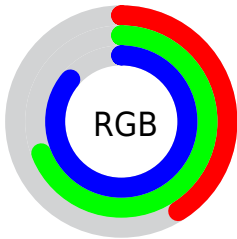
Format	Color
RYB	105, 149, 219
Decimal	6926555
CIELab	68.87, -10.40, -28.54
CIELCh	69, 30.377, 249.978
Yxy	39.1684, 0.2337, 0.2681
Android (android.graphics.Color)	4285116635 (0xFF69B0DB)
YUV	159.6730, 29.2482, -47.9482
Hunter-Lab	62.5847, -12.1435, -25.1442

Details

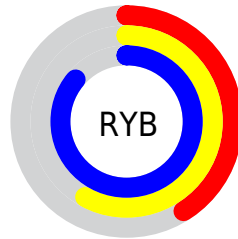
The Yxy color **39.1684, 0.2337, 0.2681** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.2857, 0.4324, 0.3805**, and the grayscale version is **34.8845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6146, 0.2578, 0.3028**, and **17.6092, 0.2122, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **34.8653, 0.2208, 0.2539**, and if you desaturate by 10%, it is **44.0134, 0.2479, 0.2817**.

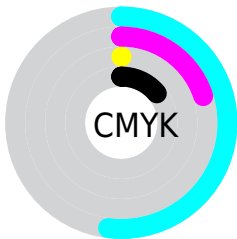
Distribution



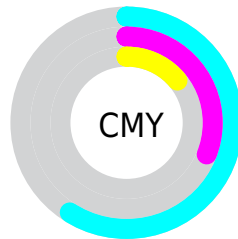
- Red (41%)
- Green (69%)
- Blue (86%)



- Red (41%)
- Yellow (58%)
- Blue (86%)



- Cyan (52%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)





- Cyan (59%)
- Magenta (31%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1684, 0.2337, 0.2681 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 39.1684, 0.2337, 0.2681 by changing the saturation by 10% instead.

 39.1684, 0.2337,
0.2681


 39.1684, 0.2337,
0.2681


342.6059, 0.2730,
0.2994

 26.8908, 0.2241,
0.2601


 73.8955, 0.2478,
0.2796


 17.4912, 0.2120,
0.2499


 97.1138, 0.2532,
0.2839

 10.5853, 0.1963,
0.2363


 124.7477, 0.2577,
0.2875

 5.7887, 0.1751,
0.2175

 157.1816, 0.2616,
0.2906

 2.7170, 0.1458,
0.1902

194.8000, 0.2650,
0.2932

 0.9859, 0.1026,
0.1488

237.9873, 0.2680,

 0.0000, 0.0000,

0.2956

0.0000

287.1278, 0.2706,
0.2976

■ 39.1684, 0.2337,
0.2681

■ 39.1684, 0.2337,
0.2681

■ 34.8653, 0.2208,
0.2539

■ 44.0134, 0.2479,
0.2817

■ 31.0695, 0.2095,
0.2392

■ 49.4231, 0.2630,
0.2946

■ 27.7480, 0.2002,
0.2246


■ 55.4243, 0.2785,
0.3064

■ 24.8603, 0.1930,
0.2101


■ 62.0401, 0.2941,
0.3173


■ 22.8179, 0.1886,
0.1989

■ 69.2925, 0.3096,
0.3271

 77.2020, 0.3247,
0.3359

 85.1446, 0.3369,
0.3439

 89.9590, 0.3357,
0.3519

 94.9960, 0.3346,
0.3598

Harmonies

Analogous

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



39.1684, 0.2319, 0.2971



39.1684, 0.2337, 0.2681



39.1684, 0.2547, 0.2568

Triad

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



39.1684, 0.2337, 0.2681



39.1684, 0.3785, 0.3146



39.1684, 0.3286, 0.4075

Complementary

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



39.1684, 0.2337, 0.2681



37.2857, 0.4324, 0.3805

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.



39.1684, 0.3702, 0.4068



39.1684, 0.2337, 0.2681



39.1684, 0.4010, 0.3506

Square

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



39.1684, 0.2337, 0.2681



39.1684, 0.3375, 0.2834



39.1684, 0.3974, 0.3844



39.1684, 0.2846, 0.3820

Rectangle

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



39.1684, 0.2337, 0.2681



39.1684, 0.2780, 0.2589



39.1684, 0.3974, 0.3844



39.1684, 0.3434, 0.4102

Sweetspot

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



39.1698, 0.2337, 0.2681



83.6301, 0.2877, 0.3130



55.7768, 0.2832, 0.4338



17.4859, 0.2845, 0.3107



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.



39.1698, 0.2337, 0.2681



48.9288, 0.2202, 0.2531



21.6150, 0.2171, 0.1850



13.9606, 0.2982, 0.3200



13.7456, 0.1892, 0.2010



1.0544, 0.1956, 0.2242

Inverse Universe

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



28.3107, 0.3670, 0.2467



33.7455, 0.3832, 0.2335



59.1814, 0.3964, 0.4400



13.1872, 0.3195, 0.3145



10.0114, 0.4442, 0.2221



0.6651, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 39.1684, 0.2337, 0.2681 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 39.1684, 0.2337, 0.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

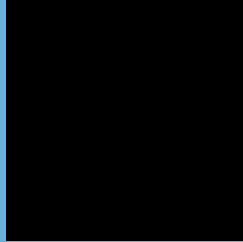
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

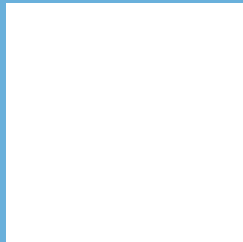
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.1684, 0.2337, 0.2681

Background



This preview shows how black text looks on a background with the Yxy color 39.1684, 0.2337, 0.2681.

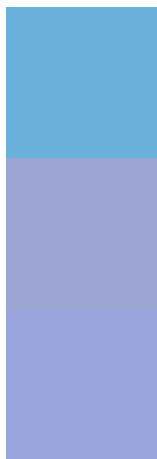


This preview shows how white text looks on a background with the Yxy color 39.1684, 0.2337, 0.2681.

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

39.1684, 0.2337, 0.2681

Protanopia

38.6813, 0.2691, 0.2674

Deuteranopia

39.0542, 0.2603, 0.2543



Tritanopia

39.1240, 0.2434, 0.3062

Trichromacy



Original Color

39.1684, 0.2337, 0.2681

Protanomaly

38.5493, 0.2539, 0.2671

Deuteranomaly

38.8306, 0.2490, 0.2586

Tritanomaly

39.3092, 0.2398, 0.2921

Monochromacy



Original Color

39.1684, 0.2337, 0.2681

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.1841, 0.2780, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1684, 0.2337, 0.2681 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(105, 176, 219)` looks like.

```
.text, #text, p{  
    color:rgb(105, 176, 219)  
}
```

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(105, 176, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 176, 219) }
```

Border

The CSS property to change the border of an element to Yxy 39.1684, 0.2337, 0.2681 is called "border". The border property can be set on classes, ids or directly on the HTML element.

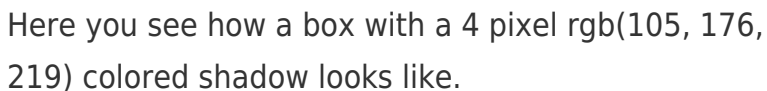
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 176, 219) }
```

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

```
.border{ border-color:rgb(105, 176, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 176, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 176, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 176, 219); box-shadow:4px 4px 4px 4px rgb(105, 176, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1684, 0.2337, 0.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 176, 219) }
```

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

```
.background{ background-color: rgb(105,  
176, 219) }
```

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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