

Converting Colors

$Yxy(39.6088, 0.2330, 0.2366)$

Have a look what the booklet for
Yxy(39.6088, 0.2330, 0.2366)
contains.

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Color

Yxy(39.6124, 0.2330, 0.2366)

Conversions

Conversions Part 1

Format	Color
Hex	7FAAF1
RGB	127, 170, 241
RGB Percent	50%, 67%, 95%
CMY	0.5017, 0.3334, 0.0549
CMYK	0.47, 0.29, 0.00, 0.05
HSL	217°, 80%, 72%
HSV	217°, 47%, 95%
XYZ	39.0097, 39.6124, 88.8014
YIQ	165.2370, -48.4190, 12.9650

Conversions

Conversions Part 2

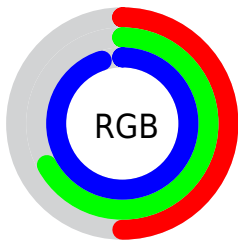
Format	Color
R_{YB}	127, 158, 241
Decimal	8366833
CIE _{Lab}	69.19, 4.37, -39.98
CIE _{LCh}	69, 40.214, 276.234
Yxy	39.6124, 0.2330, 0.2366
Android (android.graphics.Color)	4286556913 (0xFF7FAAF1)
YUV	165.2370, 37.3512, -33.5338
Hunter-Lab	62.9384, 0.4935, -39.5970

Details

The Yxy color **39.6124, 0.2330, 0.2366** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **60.6502, 0.4032, 0.4054**, and the grayscale version is **37.5877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2608, 0.2687, 0.2957**, and **17.7249, 0.2111, 0.2115** is the 20% darker color. If you saturate the color by 10%, you get **32.6658, 0.2160, 0.2126**, and if you desaturate by 10%, it is **47.6477, 0.2506, 0.2594**.

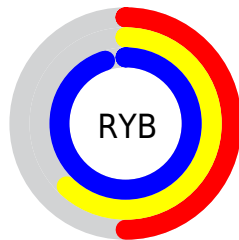
Distribution



Red (50%)

Green (67%)

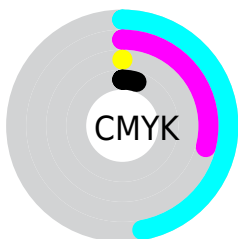
Blue (95%)



Red (50%)

Yellow (62%)

Blue (95%)

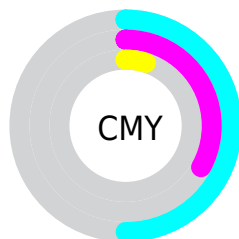


Cyan (47%)

Magenta (29%)

Yellow (0%)

Black (5%)



Cyan (50%)

Magenta (33%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6124, 0.2330, 0.2366 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 39.6124, 0.2330, 0.2366 by changing the saturation by 10% instead.

■ 39.6124, 0.2330,
0.2366

■ 39.6124, 0.2330,
0.2366

344.4872, 0.2726,
0.2819

■ 27.2365, 0.2234,
0.2258

■ 74.5729, 0.2472,
0.2527

■ 17.7509, 0.2114,
0.2124

■ 97.9263, 0.2526,
0.2588

■ 10.7713, 0.1960,
0.1952

■ 125.7076, 0.2572,
0.2641

■ 5.9133, 0.1755,
0.1728

158.3013, 0.2611,
0.2686

■ 2.7924, 0.1477,
0.1428

196.0917, 0.2645,
0.2726

■ 1.0243, 0.1094,
0.1022

239.4632, 0.2675,

■ 0.0000, 0.0055,

0.2760

0.0000

288.8002, 0.2702,
0.2791

0.0000, 0.0000,
0.0000

39.6124, 0.2330,
0.2366

39.6124, 0.2330,
0.2366

32.6658, 0.2160,
0.2126

47.6477, 0.2506,
0.2594

26.7500, 0.2003,
0.1883

56.8168, 0.2681,
0.2807

21.8072, 0.1866,
0.1644

67.1671, 0.2852,
0.3001

17.7708, 0.1756,
0.1419

78.7420, 0.3015,
0.3175

14.5591, 0.1676,
0.1218

91.5824, 0.3168,
0.3330

■ 13.7995, 0.1658,
0.1167

■ 99.1304, 0.3209,
0.3425

Harmonies

Analogous

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



39.6124, 0.2096, 0.2526



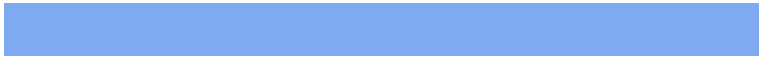
39.6124, 0.2330, 0.2366



39.6124, 0.2779, 0.2422

Triad

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



39.6124, 0.2330, 0.2366



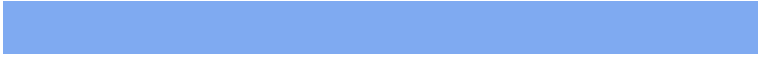
39.6124, 0.4275, 0.3489



39.6124, 0.2816, 0.4067

Complementary

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



39.6124, 0.2330, 0.2366



60.6502, 0.4032, 0.4054

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.



39.6124, 0.3392, 0.4362



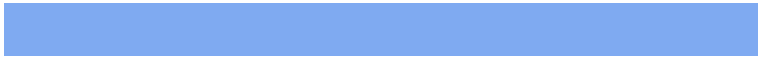
39.6124, 0.2330, 0.2366



39.6124, 0.4259, 0.3937

Square

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



39.6124, 0.2330, 0.2366



39.6124, 0.3938, 0.3039



39.6124, 0.3924, 0.4279



39.6124, 0.2351, 0.3495

Rectangle

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



39.6124, 0.2330, 0.2366



39.6124, 0.3165, 0.2564



39.6124, 0.3924, 0.4279



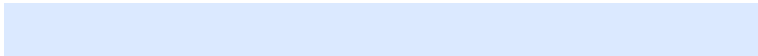
39.6124, 0.3002, 0.4206

Sweetspot

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



39.6138, 0.2330, 0.2366



80.4641, 0.2906, 0.3059



71.4682, 0.2707, 0.3843



16.6317, 0.2870, 0.3021



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.



39.6138, 0.2330, 0.2366



37.2136, 0.2162, 0.2129



27.1520, 0.2319, 0.1833



16.2047, 0.2980, 0.3139



7.7225, 0.1666, 0.1197



0.8279, 0.1739, 0.1458

Inverse Universe

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



36.7965, 0.3922, 0.2823



35.0320, 0.4187, 0.2741



80.8843, 0.3728, 0.4488



15.8574, 0.3234, 0.3201



10.5729, 0.5471, 0.2787



0.8983, 0.5113, 0.2591

Previews

White Background



This preview shows how the Yxy color 39.6124, 0.2330, 0.2366 looks on a white background.

Color Contrast Check

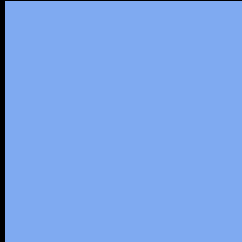
Large Text (above 18pt) WCAG AA × Fail

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 39.6124, 0.2330, 0.2366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

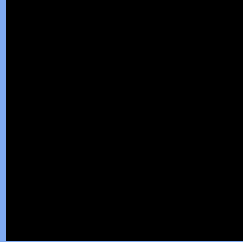
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

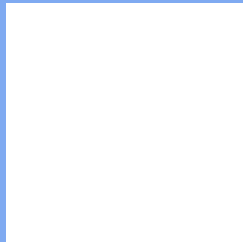
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.6124, 0.2330, 0.2366

Background



This preview shows how black text looks on a background with the Yxy color 39.6124, 0.2330, 0.2366.



This preview shows how white text looks on a background with the Yxy color 39.6124, 0.2330, 0.2366.

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

39.6124, 0.2330, 0.2366

Protanopia

39.5565, 0.2453, 0.2371

Deuteranopia

39.6237, 0.2395, 0.2334



Tritanopia

39.6460, 0.2527, 0.3067

Trichromacy



Original Color

39.6124, 0.2330, 0.2366

Protanomaly

39.3584, 0.2404, 0.2363

Deuteranomaly

39.5670, 0.2366, 0.2340

Tritanomaly

39.6054, 0.2451, 0.2793

Monochromacy



Original Color

39.6124, 0.2330, 0.2366

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.0670, 0.2782, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6124, 0.2330, 0.2366 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, 170, 241)` looks like.

```
.text, #text, p{  
    color:rgb(127, 170, 241)  
}
```

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, 170, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 170, 241) }
```

Border

The CSS property to change the border of an element to Yxy 39.6124, 0.2330, 0.2366 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, 170, 241) }
```

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

```
.border{ border-color:rgb(127, 170, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 170, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 170, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 170, 241);  
box-shadow:4px 4px 4px 4px rgb(127, 170,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6124, 0.2330, 0.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 170, 241) }
```

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

```
.background{ background-color: rgb(127,  
170, 241) }
```

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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