

Converting Colors

$Yxy(39.6309, 0.2378, 0.2424)$

Have a look what the booklet for
Yxy(39.6309, 0.2378, 0.2424)
contains.

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Color

Yxy(39.6309, 0.2378, 0.2424)

Conversions

Conversions Part 1

Format	Color
Hex	83AAEC
RGB	131, 170, 236
RGB Percent	51%, 67%, 93%
CMY	0.4863, 0.3333, 0.0744
CMYK	0.44, 0.28, 0.00, 0.07
HSL	218°, 73%, 72%
HSV	218°, 44%, 93%
XYZ	38.8788, 39.6309, 84.9841
YIQ	165.8630, -44.4300, 12.2580

Conversions

Conversions Part 2

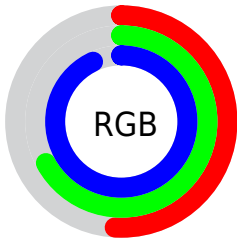
Format	Color
RYB	131, 159, 236
Decimal	8628972
CIELab	69.21, 3.89, -37.24
CIELCh	69, 37.440, 275.970
Yxy	39.6309, 0.2378, 0.2424
Android (android.graphics.Color)	4286819052 (0xFF83AAEC)
YUV	165.8630, 34.5775, -30.5749
Hunter-Lab	62.9531, 0.0709, -35.9719

Details

The Yxy color **39.6309, 0.2378, 0.2424** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **59.4281, 0.3966, 0.4017**, and the grayscale version is **37.9109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7618, 0.2710, 0.2960**, and **17.7480, 0.2174, 0.2190** is the 20% darker color. If you saturate the color by 10%, you get **32.7040, 0.2205, 0.2185**, and if you desaturate by 10%, it is **47.6181, 0.2555, 0.2650**.

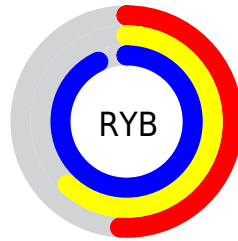
Distribution



Red (51%)

Green (67%)

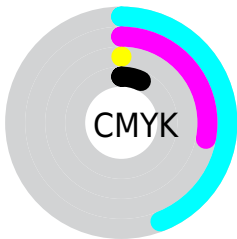
Blue (93%)



Red (51%)

Yellow (62%)

Blue (93%)

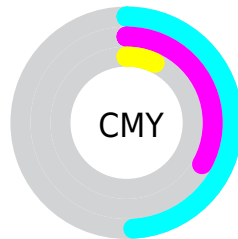


Cyan (44%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (49%)


Magenta (33%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6309, 0.2378, 0.2424 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 39.6309, 0.2378, 0.2424 by changing the saturation by 10% instead.


 39.6309, 0.2378,
0.2424


 39.6309, 0.2378,
0.2424


344.5654, 0.2751,
0.2850

 27.2509, 0.2287,
0.2322


 74.6011, 0.2512,
0.2576

 17.7617, 0.2173,
0.2193

 97.9601, 0.2563,
0.2634

 10.7791, 0.2024,
0.2029


 125.7476, 0.2606,
0.2684

 5.9185, 0.1826,
0.1811

158.3479, 0.2644,
0.2726

 2.7956, 0.1554,
0.1515

196.1454, 0.2676,
0.2763

 1.0260, 0.1170,
0.1108

239.5246, 0.2704,

 0.0000, 0.0033,

0.2796

0.0000

288.8698, 0.2729,
0.2825

0.0000, 0.0000,
0.0000

39.6309, 0.2378,
0.2424

39.6309, 0.2378,
0.2424

32.7040, 0.2205,
0.2185

47.6181, 0.2555,
0.2650

26.7827, 0.2043,
0.1940

56.7077, 0.2730,
0.2859

21.8133, 0.1899,
0.1697

66.9447, 0.2899,
0.3049

17.7339, 0.1781,
0.1466

78.3701, 0.3059,
0.3220

14.4725, 0.1692,
0.1257

91.0227, 0.3208,
0.3371

■ 12.9778, 0.1654,
0.1154

■ 98.8382, 0.3238,
0.3473

Harmonies

Analogous

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



39.6309, 0.2159, 0.2579



39.6309, 0.2378, 0.2424



39.6309, 0.2799, 0.2474

Triad

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



39.6309, 0.2378, 0.2424



39.6309, 0.4194, 0.3478



39.6309, 0.2844, 0.4012

Complementary

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



39.6309, 0.2378, 0.2424



59.4281, 0.3966, 0.4017

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.



39.6309, 0.3383, 0.4284



39.6309, 0.2378, 0.2424



39.6309, 0.4186, 0.3898

Square

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



39.6309, 0.2378, 0.2424



39.6309, 0.3878, 0.3054



39.6309, 0.3878, 0.4213



39.6309, 0.2405, 0.3487

Rectangle

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



39.6309, 0.2378, 0.2424



39.6309, 0.3160, 0.2606



39.6309, 0.3878, 0.4213



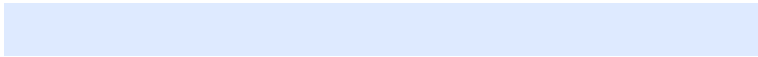
39.6309, 0.3019, 0.4140

Sweetspot

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



39.6324, 0.2378, 0.2424



81.6614, 0.2922, 0.3075



68.8123, 0.2726, 0.3804



16.8646, 0.2886, 0.3036



0.0000, 0.0000, 0.0000



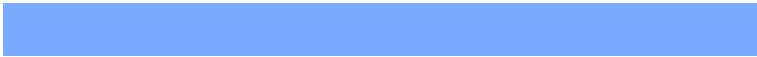
21.4041, 0.3127, 0.3290

Same Dimension

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



39.6324, 0.2378, 0.2424



39.9622, 0.2227, 0.2216



28.1536, 0.2376, 0.1931



15.4650, 0.2980, 0.3138



7.3787, 0.1662, 0.1183



0.7583, 0.1739, 0.1460

Inverse Universe

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



36.9742, 0.3860, 0.2856



37.5602, 0.4084, 0.2779



77.4630, 0.3696, 0.4420



15.1465, 0.3235, 0.3203



10.2377, 0.5490, 0.2798



0.8220, 0.5112, 0.2590

Previews

White Background



This preview shows how the Yxy color 39.6309, 0.2378, 0.2424 looks on a white background.

Color Contrast Check

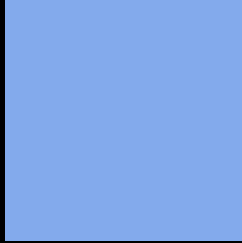
Large Text (above 18pt) WCAG AA × Fail

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 39.6309, 0.2378, 0.2424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

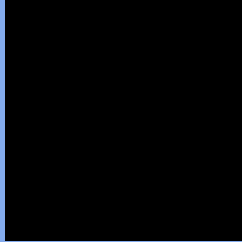
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

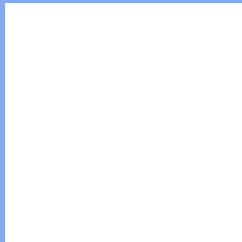
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.6309, 0.2378, 0.2424

Background



This preview shows how black text looks on a background with the Yxy color 39.6309, 0.2378, 0.2424.



This preview shows how white text looks on a background with the Yxy color 39.6309, 0.2378, 0.2424.

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

39.6309, 0.2378, 0.2424

Protanopia

39.4515, 0.2495, 0.2427

Deuteranopia

39.6811, 0.2447, 0.2391



Tritanopia

39.6130, 0.2568, 0.3068

Trichromacy



Original Color

39.6309, 0.2378, 0.2424

Protanomaly

39.3287, 0.2451, 0.2420

Deuteranomaly

39.6087, 0.2417, 0.2398

Tritanomaly

39.4743, 0.2490, 0.2808

Monochromacy



Original Color

39.6309, 0.2378, 0.2424

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.1713, 0.2813, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6309, 0.2378, 0.2424 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(131, 170, 236)` looks like.

```
.text, #text, p{  
    color:rgb(131, 170, 236)  
}
```

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(131, 170, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 170, 236) }
```

Border

The CSS property to change the border of an element to Yxy 39.6309, 0.2378, 0.2424 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(131, 170, 236) }
```

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

```
.border{ border-color:rgb(131, 170, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 170, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 170, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 170, 236);  
box-shadow:4px 4px 4px 4px rgb(131, 170,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6309, 0.2378, 0.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 170, 236) }
```

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

```
.background{ background-color: rgb(131,  
170, 236) }
```

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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