

Converting Colors

$Y_{xy}(39.5924, 0.2232, 0.2399)$

Have a look what the booklet for
Yxy(39.5924, 0.2232, 0.2399)
contains.

Yxy(39.6871, 0.2232, 0.2397)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.6871, 0.2232, 0.2397)

Conversions

Conversions Part 1

Format	Color
Hex	6AAEF1
RGB	106, 174, 241
RGB Percent	42%, 68%, 95%
CMY	0.5843, 0.3176, 0.0549
CMYK	0.56, 0.28, 0.00, 0.05
HSL	210°, 83%, 68%
HSV	210°, 56%, 95%
XYZ	36.9552, 39.6871, 88.9276
YIQ	161.3060, -62.0350, 6.4210

Conversions

Conversions Part 2

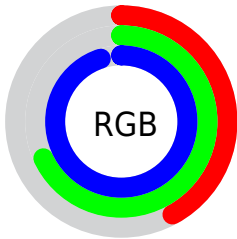
Format	Color
R _Y B	106, 151, 241
Decimal	6991601
CIE Lab	69.25, -2.50, -39.97
CIE LCh	69, 40.051, 266.414
Yxy	39.6871, 0.2232, 0.2397
Android (android.graphics.Color)	4285181681 (0xFF6AAEF1)
YUV	161.3060, 39.2891, -48.5034
Hunter-Lab	62.9977, -5.5358, -39.5954

Details

The Yxy color **39.6871, 0.2232, 0.2397** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.6211, 0.4347, 0.4008**, and the grayscale version is **35.6256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2580, 0.2588, 0.2995**, and **17.8339, 0.1994, 0.2153** is the 20% darker color. If you saturate the color by 10%, you get **33.9968, 0.2091, 0.2203**, and if you desaturate by 10%, it is **46.2063, 0.2386, 0.2585**.

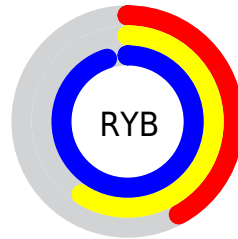
Distribution



Red (42%)

Green (68%)

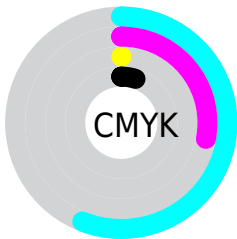
Blue (95%)



Red (42%)

Yellow (59%)

Blue (95%)

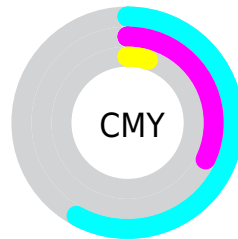


Cyan (56%)

Magenta (28%)

Yellow (0%)

Black (5%)



Cyan (58%)

Magenta (32%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6871, 0.2232, 0.2397 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 39.6871, 0.2232, 0.2397 by changing the saturation by 10% instead.

 39.6871, 0.2232,
0.2397


 39.6871, 0.2232,
0.2397

344.8030, 0.2672,
0.2840


 27.2947, 0.2127,
0.2291


 74.6868, 0.2389,
0.2555

 17.7946, 0.1996,
0.2157


 98.0629, 0.2449,
0.2616

 10.8027, 0.1828,
0.1986


 125.8689, 0.2500,
0.2667

 5.9343, 0.1609,
0.1760

158.4894, 0.2544,
0.2711

 2.8052, 0.1317,
0.1457

196.3086, 0.2582,
0.2750

 1.0309, 0.0926,
0.1045

239.7110, 0.2616,

 0.0000, 0.0000,

0.2783

0.0000

289.0810, 0.2646,
0.2813

■ 39.6871, 0.2232,
0.2397

■ 39.6871, 0.2232,
0.2397

■ 33.9968, 0.2091,
0.2203

■ 46.2063, 0.2386,
0.2585

■ 29.0849, 0.1968,
0.2007

■ 53.5922, 0.2548,
0.2763

■ 24.8997, 0.1868,
0.1815

■ 61.8845, 0.2712,
0.2928


■ 21.3781, 0.1793,
0.1632

■ 71.1191, 0.2875,
0.3079

■ 20.1253, 0.1768,
0.1563

■ 81.3295, 0.3034,
0.3215

 92.5473, 0.3187,
0.3337

 99.1306, 0.3209,
0.3425

Harmonies

Analogous

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



39.6871, 0.2075, 0.2631



39.6871, 0.2232, 0.2397



39.6871, 0.2613, 0.2386

Triad

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



39.6871, 0.2232, 0.2397



39.6871, 0.4195, 0.3338



39.6871, 0.3000, 0.4199

Complementary

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



39.6871, 0.2232, 0.2397



49.6211, 0.4347, 0.4008

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.



39.6871, 0.3577, 0.4368



39.6871, 0.2232, 0.2397



39.6871, 0.4298, 0.3794

Square

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



39.6871, 0.2232, 0.2397



39.6871, 0.3765, 0.2906



39.6871, 0.4058, 0.4184



39.6871, 0.2485, 0.3694

Rectangle

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



39.6871, 0.2232, 0.2397



39.6871, 0.2971, 0.2488



39.6871, 0.4058, 0.4184



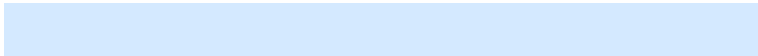
39.6871, 0.3193, 0.4299

Sweetspot

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



39.6885, 0.2232, 0.2397



79.7203, 0.2859, 0.3064



68.9214, 0.2742, 0.4221



16.5967, 0.2826, 0.3035



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.



39.6885, 0.2232, 0.2397



37.9445, 0.2075, 0.2179



20.1907, 0.2045, 0.1517



16.5448, 0.2980, 0.3170



11.1843, 0.1775, 0.1591



1.1295, 0.1841, 0.1828

Inverse Universe

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



32.0628, 0.3932, 0.2570



30.5346, 0.4185, 0.2472



81.3247, 0.3944, 0.4604



15.8917, 0.3214, 0.3172



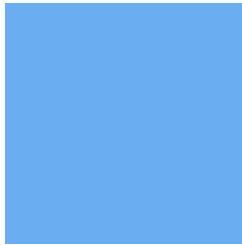
10.9224, 0.4942, 0.2496



0.9287, 0.4652, 0.2336

Previews

White Background



This preview shows how the Yxy color 39.6871, 0.2232, 0.2397 looks on a white background.

Color Contrast Check

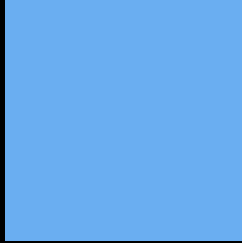
Large Text (above 18pt) WCAG AA × Fail

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 39.6871, 0.2232, 0.2397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

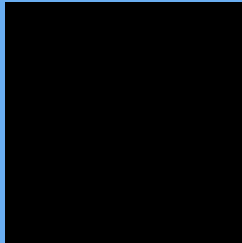
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

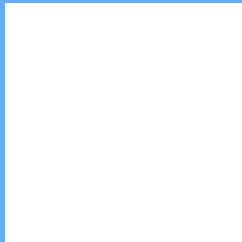
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.6871, 0.2232, 0.2397

Background



This preview shows how black text looks on a background with the Yxy color 39.6871, 0.2232, 0.2397.



This preview shows how white text looks on a background with the Yxy color 39.6871, 0.2232, 0.2397.

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

39.6871, 0.2232, 0.2397

Protanopia

39.4736, 0.2476, 0.2404

Deuteranopia

39.5975, 0.2383, 0.2322



Tritanopia

39.6110, 0.2390, 0.3062

Trichromacy



Original Color

39.6871, 0.2232, 0.2397

Protanomaly

39.3959, 0.2377, 0.2401

Deuteranomaly

39.6723, 0.2325, 0.2355

Tritanomaly

39.4772, 0.2327, 0.2797

Monochromacy



Original Color

39.6871, 0.2232, 0.2397

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.6529, 0.2723, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6871, 0.2232, 0.2397 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(106, 174, 241)` looks like.

```
.text, #text, p{  
    color:rgb(106, 174, 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(106, 174, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 174, 241) }
```

Border

The CSS property to change the border of an element to Yxy 39.6871, 0.2232, 0.2397 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(106, 174, 241) }
```

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

```
.border{ border-color:rgb(106, 174, 241) }
```

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

Here you see how a box with a 4 pixel rgb(106, 174, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 174, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 174, 241);  
box-shadow:4px 4px 4px 4px rgb(106, 174,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6871, 0.2232, 0.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 174, 241) }
```

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

```
.background{ background-color: rgb(106,  
174, 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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