

Converting Colors

$Y_{xy}(39.8999, 0.2236, 0.2684)$

Have a look what the booklet for
Yxy(39.8999, 0.2236, 0.2684)
contains.

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Color

Yxy(39.8092, 0.2232, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	53B4DF
RGB	83, 180, 223
RGB Percent	33%, 71%, 87%
CMY	0.6747, 0.2941, 0.1255
CMYK	0.63, 0.19, 0.00, 0.13
HSL	198°, 69%, 60%
HSV	198°, 63%, 87%
XYZ	33.2041, 39.8092, 75.7505
YIQ	155.8990, -71.6150, -7.1910

Conversions

Conversions Part 2

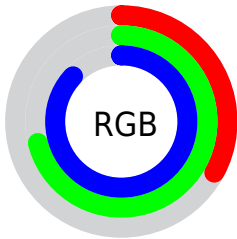
Format	Color
R _Y B	83, 140, 223
Decimal	5485791
CIE Lab	69.33, -15.67, -30.09
CIE LCh	69, 33.927, 242.488
Yxy	39.8092, 0.2232, 0.2676
Android (android.graphics.Color)	4283675871 (0xFF53B4DF)
YUV	155.8990, 33.0808, -63.9324
Hunter-Lab	63.0945, -16.4781, -27.0167

Details

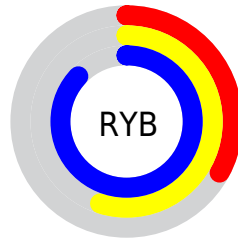
The Yxy color **39.8092, 0.2232, 0.2676** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **31.2188, 0.4765, 0.3771**, and the grayscale version is **33.0663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1402, 0.2499, 0.3070**, and **18.0059, 0.2024, 0.2487** is the 20% darker color. If you saturate the color by 10%, you get **36.2586, 0.2131, 0.2559**, and if you desaturate by 10%, it is **43.8252, 0.2350, 0.2790**.

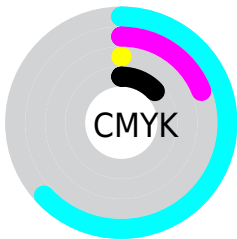
Distribution



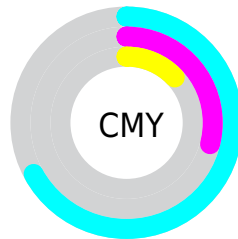
- Red (33%)
- Green (71%)
- Blue (87%)



- Red (33%)
- Yellow (55%)
- Blue (87%)



- Cyan (63%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)





- Cyan (67%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8092, 0.2232, 0.2676 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 39.8092, 0.2232, 0.2676 by changing the saturation by 10% instead.

 39.8092, 0.2232,
0.2676


 39.8092, 0.2232,
0.2676


345.3187, 0.2672,
0.2994


 27.3898, 0.2126,
0.2595


 74.8729, 0.2389,
0.2793


 17.8662, 0.1993,
0.2490


 98.2860, 0.2449,
0.2837

 10.8540, 0.1822,
0.2351


 126.1324, 0.2500,
0.2873

 5.9687, 0.1597,
0.2159

 158.7966, 0.2544,
0.2905

 2.8261, 0.1291,
0.1881

196.6629, 0.2583,
0.2932

 1.0416, 0.0844,
0.1466

240.1158, 0.2616,

 0.0000, 0.0000,

0.2955

0.0000

289.5396, 0.2646,
0.2976

■ 39.8092, 0.2232,
0.2676

■ 39.8092, 0.2232,
0.2676

■ 36.2586, 0.2131,
0.2559

■ 43.8252, 0.2350,
0.2790

■ 33.1346, 0.2050,
0.2442

■ 48.3325, 0.2483,
0.2900

■ 30.3973, 0.1990,
0.2325

■ 53.3596, 0.2626,
0.3003

■ 28.6206, 0.1956,
0.2243

■ 58.9313, 0.2776,
0.3100

■ 65.0705, 0.2930,
0.3188

71.7985, 0.3084,
0.3269

79.1356, 0.3237,
0.3341

85.8771, 0.3341,
0.3407

89.8681, 0.3332,
0.3474

Harmonies

Analogous

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



39.8092, 0.2265, 0.3039



39.8092, 0.2232, 0.2676



39.8092, 0.2411, 0.2506

Triad

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



39.8092, 0.2232, 0.2676



39.8092, 0.3758, 0.3035



39.8092, 0.3422, 0.4193

Complementary

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



39.8092, 0.2232, 0.2676



31.2188, 0.4765, 0.3771

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.



39.8092, 0.3856, 0.4106



39.8092, 0.2232, 0.2676



39.8092, 0.4072, 0.3422

Square

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



39.8092, 0.2232, 0.2676



39.8092, 0.3271, 0.2719



39.8092, 0.4103, 0.3809



39.8092, 0.2929, 0.3980

Rectangle

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



39.8092, 0.2232, 0.2676



39.8092, 0.2638, 0.2501



39.8092, 0.4103, 0.3809



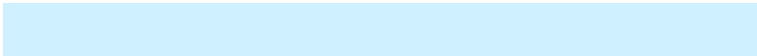
39.8092, 0.3580, 0.4195

Sweetspot

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



39.8106, 0.2232, 0.2676



82.8154, 0.2832, 0.3133



56.0953, 0.2847, 0.4746



17.2262, 0.2788, 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.



39.8106, 0.2232, 0.2676



47.9122, 0.2107, 0.2527



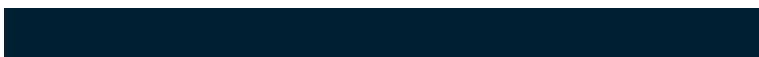
18.5232, 0.1992, 0.1635



14.8251, 0.2982, 0.3216



17.0360, 0.1961, 0.2260



1.3371, 0.2011, 0.2438

Inverse Universe

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



25.1622, 0.3703, 0.2231



28.8974, 0.3869, 0.2107



55.3404, 0.4188, 0.4500



13.8602, 0.3184, 0.3129



10.6278, 0.4168, 0.2070



0.7524, 0.3985, 0.1969

Previews

White Background



This preview shows how the Yxy color 39.8092, 0.2232, 0.2676 looks on a white background.

Color Contrast Check

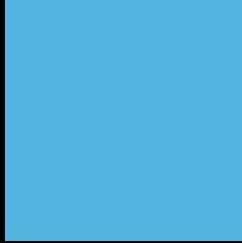
Large Text (above 18pt) WCAG AA × Fail

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 39.8092, 0.2232, 0.2676 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 39.8092, 0.2232, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 39.8092, 0.2232, 0.2676.



This preview shows how white text looks on a background with the Yxy color 39.8092, 0.2232, 0.2676.

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

39.8092, 0.2232, 0.2676

Protanopia

39.2446, 0.2686, 0.2665

Deuteranopia

39.4388, 0.2565, 0.2509



Tritanopia

39.7441, 0.2313, 0.3059

Trichromacy



Original Color

39.8092, 0.2232, 0.2676

Protanomaly

38.8814, 0.2479, 0.2656

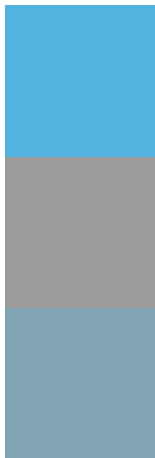
Deuteranomaly

39.0741, 0.2415, 0.2557

Tritanomaly

39.9169, 0.2281, 0.2916

Monochromacy



Original Color

39.8092, 0.2232, 0.2676

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.8727, 0.2699, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8092, 0.2232, 0.2676 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(83, 180, 223)` looks like.

```
.text, #text, p{  
    color:rgb(83, 180, 223)  
}
```

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(83, 180, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 180, 223) }
```

Border

The CSS property to change the border of an element to Yxy 39.8092, 0.2232, 0.2676 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(83, 180, 223) }
```

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

```
.border{ border-color:rgb(83, 180, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 180, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 180, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 180, 223);  
box-shadow:4px 4px 4px 4px rgb(83, 180,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8092, 0.2232, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 180, 223) }
```

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

```
.background{ background-color: rgb(83, 180,  
223) }
```

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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