

Converting Colors

$Y_{xy}(39.2108, 0.2184, 0.2597)$

Have a look what the booklet for
Yxy(39.2108, 0.2184, 0.2597)
contains.

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Color

Yxy(39.3228, 0.2186, 0.2607)

Conversions

Conversions Part 1

Format	Color
Hex	4CB3E3
RGB	76, 179, 227
RGB Percent	30%, 70%, 89%
CMY	0.7016, 0.2981, 0.1097
CMYK	0.66, 0.21, 0.00, 0.11
HSL	199°, 73%, 59%
HSV	199°, 66%, 89%
XYZ	32.9726, 39.3228, 78.5400
YIQ	153.6750, -76.7960, -6.9080

Conversions

Conversions Part 2

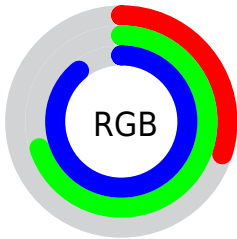
Format	Color
RYB	76, 137, 227
Decimal	5026787
CIELab	68.98, -14.99, -32.84
CIELCh	69, 36.100, 245.469
Yxy	39.3228, 0.2186, 0.2607
Android (android.graphics.Color)	4283216867 (0xFF4CB3E3)
YUV	153.6750, 36.1492, -68.1210
Hunter-Lab	62.7079, -15.8812, -30.3637

Details

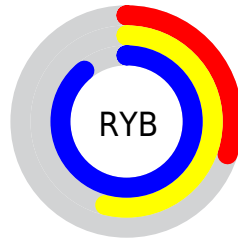
The Yxy color **39.3228, 0.2186, 0.2607** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **31.3021, 0.4887, 0.3804**, and the grayscale version is **32.0398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2121, 0.2479, 0.3057**, and **17.8620, 0.2005, 0.2418** is the 20% darker color. If you saturate the color by 10%, you get **35.7312, 0.2091, 0.2485**, and if you desaturate by 10%, it is **43.3969, 0.2300, 0.2727**.

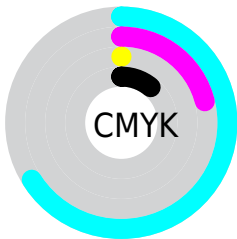
Distribution



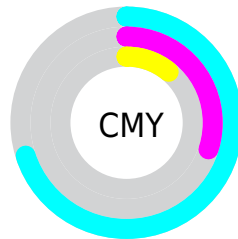
- Red (30%)
- Green (70%)
- Blue (89%)



- Red (30%)
- Yellow (54%)
- Blue (89%)



- Cyan (66%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)



- Cyan (70%)
- Magenta (30%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3228, 0.2186, 0.2607 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 39.3228, 0.2186, 0.2607 by changing the saturation by 10% instead.


 39.3228, 0.2186,
0.2607


 39.3228, 0.2186,
0.2607


343.2610, 0.2648,
0.2959


 27.0109, 0.2075,
0.2518


 74.1312, 0.2351,
0.2736


 17.5814, 0.1937,
0.2404


 97.3965, 0.2414,
0.2784

 10.6499, 0.1760,
0.2253


 125.0818, 0.2467,
0.2825

 5.8319, 0.1528,
0.2046

 157.5713, 0.2513,
0.2860

 2.7432, 0.1217,
0.1753

195.2497, 0.2554,
0.2890

 0.9992, 0.0769,
0.1326

238.5011, 0.2589,

 0.0000, 0.0000,

0.2916

0.0000

287.7101, 0.2620,
0.2939

■ 39.3228, 0.2186,
0.2607

■ 39.3228, 0.2186,
0.2607

■ 35.7312, 0.2091,
0.2485

■ 43.3969, 0.2300,
0.2727

■ 32.5795, 0.2016,
0.2363

■ 47.9826, 0.2429,
0.2843

■ 29.8208, 0.1961,
0.2243

■ 53.1109, 0.2570,
0.2953

■ 28.9166, 0.1945,
0.2201

■ 58.8088, 0.2719,
0.3057

■ 65.1010, 0.2872,
0.3152

■ 72.0107, 0.3027,
0.3238

■ 79.5595, 0.3181,
0.3317

■ 87.2514, 0.3312,
0.3387

■ 91.5143, 0.3304,
0.3457

Harmonies

Analogous

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



39.3228, 0.2197, 0.2972



39.3228, 0.2186, 0.2607



39.3228, 0.2396, 0.2451

Triad

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



39.3228, 0.2186, 0.2607



39.3228, 0.3846, 0.3056



39.3228, 0.3386, 0.4250

Complementary

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



39.3228, 0.2186, 0.2607



31.3021, 0.4887, 0.3804

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.



39.3228, 0.3863, 0.4180



39.3228, 0.2186, 0.2607



39.3228, 0.4155, 0.3468

Square

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



39.3228, 0.2186, 0.2607



39.3228, 0.3334, 0.2711



39.3228, 0.4154, 0.3875



39.3228, 0.2863, 0.3992

Rectangle

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



39.3228, 0.2186, 0.2607



39.3228, 0.2648, 0.2460



39.3228, 0.4154, 0.3875



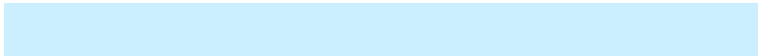
39.3228, 0.3557, 0.4262

Sweetspot

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



39.3242, 0.2186, 0.2607



81.6563, 0.2816, 0.3118



57.9423, 0.2830, 0.4810



16.9823, 0.2773, 0.3091



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.



39.3242, 0.2186, 0.2607



44.7870, 0.2058, 0.2436



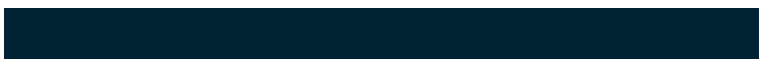
16.9394, 0.1919, 0.1492



15.5223, 0.2981, 0.3213



17.0796, 0.1950, 0.2219



1.4276, 0.1998, 0.2394

Inverse Universe

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



24.7697, 0.3774, 0.2204



27.3490, 0.3967, 0.2097



57.8656, 0.4227, 0.4572



14.5331, 0.3186, 0.3131



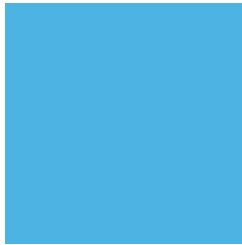
10.9219, 0.4212, 0.2094



0.8238, 0.4029, 0.1993

Previews

White Background



This preview shows how the Yxy color 39.3228, 0.2186, 0.2607 looks on a white background.

Color Contrast Check

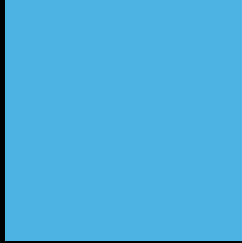
Large Text (above 18pt) WCAG AA × Fail

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 39.3228, 0.2186, 0.2607 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

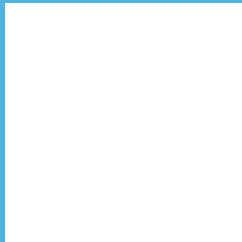
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.3228, 0.2186, 0.2607

Background



This preview shows how black text looks on a background with the Yxy color 39.3228, 0.2186, 0.2607.

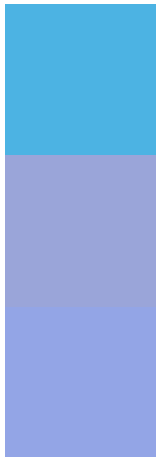


This preview shows how white text looks on a background with the Yxy color 39.3228, 0.2186, 0.2607.

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

39.3228, 0.2186, 0.2607

Protanopia

38.7900, 0.2635, 0.2601

Deuteranopia

38.8265, 0.2504, 0.2444



Tritanopia

39.3652, 0.2276, 0.3057

Trichromacy



Original Color

39.3228, 0.2186, 0.2607

Protanomaly

38.4055, 0.2429, 0.2589

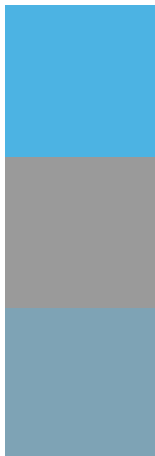
Deuteranomaly

38.4715, 0.2356, 0.2490

Tritanomaly

39.2176, 0.2242, 0.2884

Monochromacy



Original Color

39.3228, 0.2186, 0.2607

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.9662, 0.2666, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3228, 0.2186, 0.2607 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(76, 179, 227)` looks like.

```
.text, #text, p{  
    color:rgb(76, 179, 227)  
}
```

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(76, 179, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 179, 227) }
```

Border

The CSS property to change the border of an element to Yxy 39.3228, 0.2186, 0.2607 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(76, 179, 227) }
```

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

```
.border{ border-color:rgb(76, 179, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 179, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 179, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 179, 227);  
box-shadow:4px 4px 4px 4px rgb(76, 179,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3228, 0.2186, 0.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 179, 227) }
```

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

```
.background{ background-color: rgb(76, 179,  
227) }
```

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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