

Converting Colors

$Y_{xy}(32.7777, 0.1373, 0.2387)$

Have a look what the booklet for
Yxy(32.7777, 0.1373, 0.2387)
contains.

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Color

Yxy(39.5703, 0.2031, 0.2510)

Conversions

Conversions Part 1

Format	Color
Hex	01B6ED
RGB	1, 182, 237
RGB Percent	0%, 71%, 93%
CMY	0.9971, 0.2863, 0.0706
CMYK	1.00, 0.23, 0.00, 0.07
HSL	194°, 99%, 47%
HSV	194°, 100%, 93%
XYZ	32.0188, 39.5703, 86.0615
YIQ	134.1510, -125.5310, -21.2670

Conversions

Conversions Part 2

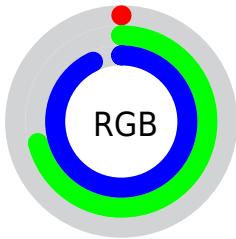
Format	Color
RYB	1, 103, 237
Decimal	112365
CIELab	69.16, -19.18, -38.09
CIELCh	69, 42.641, 243.276
Yxy	39.5703, 0.2031, 0.2510
Android (android.graphics.Color)	4278302445 (0xFF01B6ED)
YUV	134.1510, 50.7046, -116.7734
Hunter-Lab	62.9049, -19.2265, -37.0824

Details

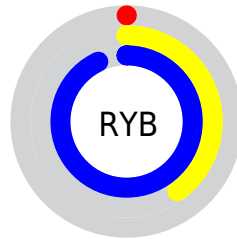
The Yxy color **39.5703, 0.2031, 0.2510** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **20.8072, 0.6130, 0.3511**, and the grayscale version is **23.7114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6203, 0.2367, 0.3086**, and **19.0367, 0.1980, 0.2328** is the 20% darker color. If you saturate the color by 10%, you get **39.4961, 0.2030, 0.2507**, and if you desaturate by 10%, it is **42.0708, 0.2070, 0.2596**.

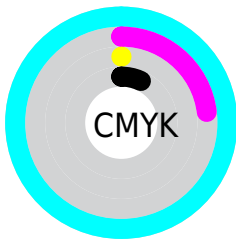
Distribution



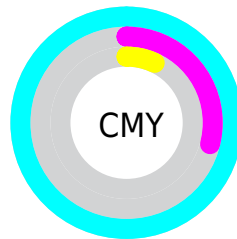
- Red (0%)
- Green (71%)
- Blue (93%)



- Red (0%)
- Yellow (40%)
- Blue (93%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5703, 0.2031, 0.2510 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 39.5703, 0.2031, 0.2510 by changing the saturation by 10% instead.

 39.5703, 0.2031,
0.2510


 39.5703, 0.2031,
0.2510


344.3091, 0.2562,
0.2911


 27.2037, 0.1907,
0.2410


 74.5087, 0.2218,
0.2657


 17.7262, 0.1754,
0.2282


 97.8493, 0.2290,
0.2712

 10.7536, 0.1562,
0.2115


 125.6167, 0.2352,
0.2758

 5.9014, 0.1316,
0.1890

 158.1953, 0.2405,
0.2798

 2.7852, 0.1000,
0.1579

 195.9694, 0.2452,
0.2832

 1.0207, 0.0559,
0.1150

239.3235, 0.2493,

 0.0000, 0.0000,

0.2862

0.0000

288.6419, 0.2529,
0.2888

■ 39.5703, 0.2031,
0.2510

■ 39.5703, 0.2031,
0.2510

■ 39.4961, 0.2030,
0.2507

■ 42.0708, 0.2070,
0.2596

■ 44.8973, 0.2126,
0.2682

■ 48.1224, 0.2202,
0.2769

■ 51.7900, 0.2297,
0.2855

■ 55.9372, 0.2410,
0.2939

■ 60.5965, 0.2538,
0.3020

■ 65.7971, 0.2677,
0.3096

■ 71.5661, 0.2825,
0.3167

■ 77.9280, 0.2978,
0.3232

Harmonies

Analogous

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



39.5703, 0.2060, 0.2944



39.5703, 0.2031, 0.2510



39.5703, 0.2251, 0.2322

Triad

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



39.5703, 0.2031, 0.2510



39.5703, 0.3936, 0.2979



39.5703, 0.3463, 0.4439

Complementary

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



39.5703, 0.2031, 0.2510



20.8072, 0.6130, 0.3511

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.



39.5703, 0.4013, 0.4308



39.5703, 0.2031, 0.2510



39.5703, 0.4325, 0.3446

Square

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



39.5703, 0.2031, 0.2510



39.5703, 0.3318, 0.2596



39.5703, 0.4343, 0.3922



39.5703, 0.2851, 0.4167

Rectangle

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



39.5703, 0.2031, 0.2510



39.5703, 0.2528, 0.2325



39.5703, 0.4343, 0.3922



39.5703, 0.3661, 0.4435

Sweetspot

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



39.5716, 0.2031, 0.2510



77.4237, 0.2671, 0.3093



60.8138, 0.2942, 0.5788



16.0008, 0.2611, 0.3061



0.0000, 0.0000, 0.0000



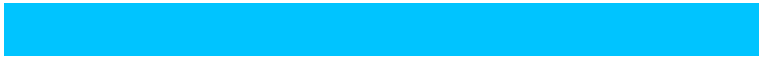
21.4041, 0.3127, 0.3290

Same Dimension

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



39.5716, 0.2031, 0.2510



46.5372, 0.2029, 0.2504



10.2140, 0.1595, 0.0939



16.4928, 0.2981, 0.3234



21.7756, 0.2034, 0.2521



1.8538, 0.2067, 0.2640

Inverse Universe

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



21.3958, 0.3912, 0.1930



25.2291, 0.3918, 0.1932



46.7732, 0.4809, 0.4562



15.2503, 0.3173, 0.3111



11.6911, 0.3901, 0.1923



0.9326, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 39.5703, 0.2031, 0.2510 looks on a white background.

Color Contrast Check

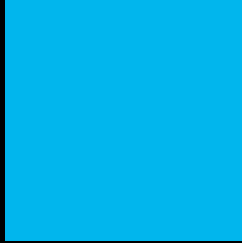
Large Text (above 18pt) WCAG AA × Fail

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 39.5703, 0.2031, 0.2510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

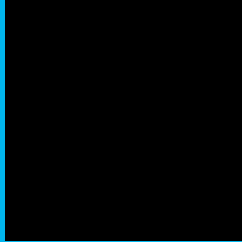
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5703, 0.2031, 0.2510

Background



This preview shows how black text looks on a background with the Yxy color 39.5703, 0.2031, 0.2510.

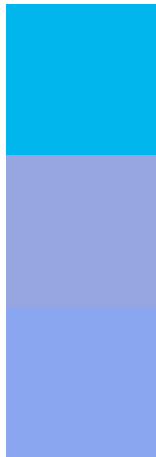


This preview shows how white text looks on a background with the Yxy color 39.5703, 0.2031, 0.2510.

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

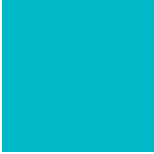
39.5768, 0.2031, 0.2510

Protanopia

39.2336, 0.2570, 0.2530

Deuteranopia

39.1123, 0.2392, 0.2329



Tritanopia

39.3349, 0.2182, 0.3054

Trichromacy



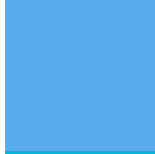
Original Color

39.5768, 0.2031, 0.2510



Protanomaly

37.6490, 0.2233, 0.2494



Deuteranomaly

37.9202, 0.2156, 0.2363



Tritanomaly

39.5530, 0.2125, 0.2851

Monochromacy



Original Color

39.5768, 0.2031, 0.2510



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.0519, 0.2422, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5703, 0.2031, 0.2510 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(1, 182, 237)` looks like.

```
.text, #text, p{  
  color:rgb(1, 182, 237)  
}
```

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(1, 182, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 182, 237) }
```

Border

The CSS property to change the border of an element to Yxy 39.5703, 0.2031, 0.2510 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(1, 182, 237) }
```

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

```
.border{ border-color:rgb(1, 182, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 182, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 182, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 182, 237); box-shadow:4px 4px 4px 4px rgb(1, 182, 237) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5703, 0.2031, 0.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 182, 237) }
```

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

```
.background{ background-color: rgb(1, 182,  
237) }
```

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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