

Converting Colors

$Yxy(36.7161, 0.1798, 0.2433)$

Have a look what the booklet for
Yxy(36.7161, 0.1798, 0.2433)
contains.

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Color

Yxy(39.2797, 0.2020, 0.2471)

Conversions

Conversions Part 1

Format	Color
Hex	00B5EF
RGB	0, 181, 239
RGB Percent	0%, 71%, 94%
CMY	0.9983, 0.2902, 0.0626
CMYK	1.00, 0.24, 0.00, 0.06
HSL	195°, 100%, 47%
HSV	195°, 100%, 94%
XYZ	32.1105, 39.2797, 87.5726
YIQ	133.4930, -126.4940, -20.3340

Conversions

Conversions Part 2

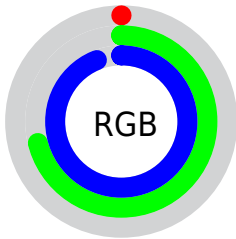
Format	Color
RYB	0, 103, 239
Decimal	46575
CIELab	68.95, -17.94, -39.52
CIELCh	69, 43.405, 245.582
Yxy	39.2797, 0.2020, 0.2471
Android (android.graphics.Color)	4278236655 (0xFF00B5EF)
YUV	133.4930, 52.0150, -117.0734
Hunter-Lab	62.6735, -18.2250, -38.9734

Details

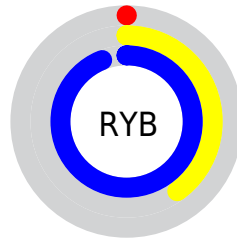
The Yxy color **39.2797, 0.2020, 0.2471** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **21.4292, 0.6113, 0.3527**, and the grayscale version is **23.5336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1034, 0.2368, 0.3074**, and **18.8572, 0.1967, 0.2280** is the 20% darker color. If you saturate the color by 10%, you get **39.2367, 0.2019, 0.2469**, and if you desaturate by 10%, it is **41.8904, 0.2060, 0.2561**.

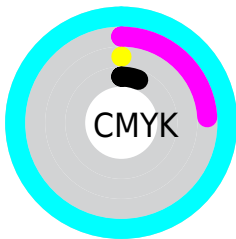
Distribution



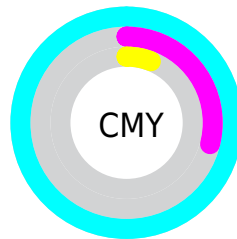
- Red (0%)
- Green (71%)
- Blue (94%)



- Red (0%)
- Yellow (40%)
- Blue (94%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (29%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.2797, 0.2020, 0.2471 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 39.2797, 0.2020, 0.2471 by changing the saturation by 10% instead.


 39.2797, 0.2020,
0.2471


 39.2797, 0.2020,
0.2471


343.0782, 0.2556,
0.2891


 26.9774, 0.1895,
0.2367


 74.0654, 0.2209,
0.2624

 17.5562, 0.1741,
0.2234


 97.3176, 0.2281,
0.2681


 10.6319, 0.1547,
0.2062


 124.9885, 0.2344,
0.2730

 5.8199, 0.1301,
0.1832

 157.4626, 0.2398,
0.2771

 2.7359, 0.0985,
0.1517

 195.1242, 0.2445,
0.2807

 0.9954, 0.0551,
0.1087

238.3577, 0.2486,

 0.0000, 0.0000,

0.2839

0.0000

287.5476, 0.2523,
0.2866

■ 39.2797, 0.2020,
0.2471

■ 39.2797, 0.2020,
0.2471

■ 39.2367, 0.2019,
0.2469

■ 41.8904, 0.2060,
0.2561

■ 44.8398, 0.2117,
0.2652

■ 48.2033, 0.2194,
0.2743

■ 52.0260, 0.2291,
0.2834

■ 56.3460, 0.2405,
0.2922

■ 61.1966, 0.2534,
0.3006

■ 66.6081, 0.2674,
0.3086

■ 72.6080, 0.2822,
0.3161

■ 79.2217, 0.2975,
0.3229

Harmonies

Analogous

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



39.2797, 0.2029, 0.2894



39.2797, 0.2020, 0.2471



39.2797, 0.2262, 0.2300

Triad

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



39.2797, 0.2020, 0.2471



39.2797, 0.3994, 0.3007



39.2797, 0.3420, 0.4458

Complementary

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



39.2797, 0.2020, 0.2471



21.4292, 0.6113, 0.3527

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.



39.2797, 0.3992, 0.4349



39.2797, 0.2020, 0.2471



39.2797, 0.4365, 0.3485

Square

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



39.2797, 0.2020, 0.2471



39.2797, 0.3373, 0.2609



39.2797, 0.4352, 0.3967



39.2797, 0.2799, 0.4149

Rectangle

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



39.2797, 0.2020, 0.2471



39.2797, 0.2556, 0.2315



39.2797, 0.4352, 0.3967



39.2797, 0.3624, 0.4464

Sweetspot

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



39.2810, 0.2020, 0.2471



76.9616, 0.2670, 0.3084



62.0393, 0.2934, 0.5760



15.8896, 0.2610, 0.3051



0.0000, 0.0000, 0.0000



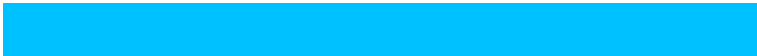
21.4041, 0.3127, 0.3290

Same Dimension

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



39.2810, 0.2020, 0.2471



45.3493, 0.2019, 0.2466



9.9088, 0.1584, 0.0901



17.2395, 0.2981, 0.3231



21.8926, 0.2023, 0.2484



1.9749, 0.2056, 0.2602

Inverse Universe

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



21.7008, 0.3951, 0.1951



25.1092, 0.3956, 0.1953



49.1728, 0.4768, 0.4595



15.9618, 0.3175, 0.3113



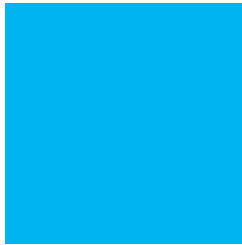
12.0034, 0.3938, 0.1943



1.0141, 0.3822, 0.1879

Previews

White Background



This preview shows how the Yxy color 39.2797, 0.2020, 0.2471 looks on a white background.

Color Contrast Check

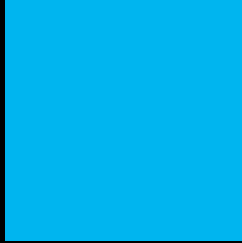
Large Text (above 18pt) WCAG AA × Fail

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 39.2797, 0.2020, 0.2471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

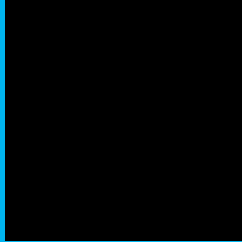
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.2797, 0.2020, 0.2471

Background



This preview shows how black text looks on a background with the Yxy color 39.2797, 0.2020, 0.2471.



This preview shows how white text looks on a background with the Yxy color 39.2797, 0.2020, 0.2471.

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

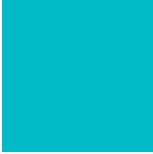
39.2797, 0.2020, 0.2471

Protanopia

38.7908, 0.2542, 0.2491

Deuteranopia

39.0619, 0.2369, 0.2306



Tritanopia

39.2879, 0.2186, 0.3069

Trichromacy



Original Color

39.2797, 0.2020, 0.2471

Protanomaly

37.3282, 0.2217, 0.2455

Deuteranomaly

37.5629, 0.2137, 0.2326

Tritanomaly

39.1360, 0.2121, 0.2835

Monochromacy



Original Color

39.2797, 0.2020, 0.2471

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

27.0431, 0.2410, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2797, 0.2020, 0.2471 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(0, 181, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 239)  
}
```

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(0, 181, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 239) }
```

Border

The CSS property to change the border of an element to Yxy 39.2797, 0.2020, 0.2471 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(0, 181, 239) }
```

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

```
.border{ border-color:rgb(0, 181, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2797, 0.2020, 0.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 239) }
```

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

```
.background{ background-color: rgb(0, 181,  
239) }
```

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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