

Converting Colors

$Y_{xy}(36.5359, 0.1700, 0.2405)$

Have a look what the booklet for
Yxy(36.5359, 0.1700, 0.2405)
contains.

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Color

Yxy(40.2778, 0.2019, 0.2467)

Conversions

Conversions Part 1

Format	Color
Hex	01B7F2
RGB	1, 183, 242
RGB Percent	0%, 72%, 95%
CMY	0.9974, 0.2824, 0.0511
CMYK	1.00, 0.24, 0.00, 0.05
HSL	195°, 99%, 48%
HSV	195°, 100%, 95%
XYZ	32.9635, 40.2778, 90.0250
YIQ	135.3080, -127.4110, -20.2350

Conversions

Conversions Part 2

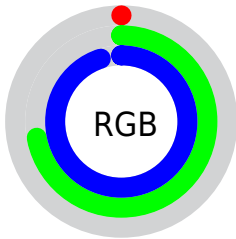
Format	Color
R _Y B	1, 105, 242
Decimal	112626
CIE Lab	69.67, -17.96, -40.01
CIE LCh	70, 43.860, 245.824
Yxy	40.2778, 0.2019, 0.2467
Android (android.graphics.Color)	4278302706 (0xFF01B7F2)
YUV	135.3080, 52.5992, -117.7881
Hunter-Lab	63.4648, -18.3509, -39.6777

Details

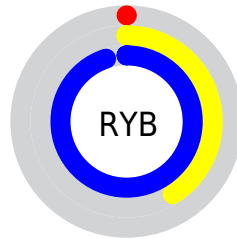
The Yxy color **40.2778, 0.2019, 0.2467** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **22.0693, 0.6109, 0.3529**, and the grayscale version is **24.1432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2680, 0.2373, 0.3098**, and **19.5104, 0.1966, 0.2277** is the 20% darker color. If you saturate the color by 10%, you get **40.2089, 0.2018, 0.2465**, and if you desaturate by 10%, it is **42.9711, 0.2059, 0.2557**.

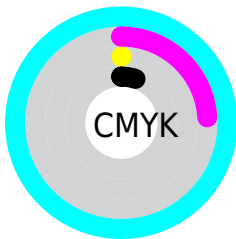
Distribution



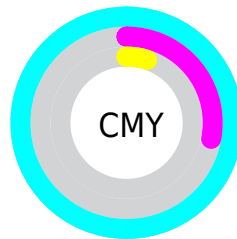
- Red (0%)
- Green (72%)
- Blue (95%)



- Red (0%)
- Yellow (41%)
- Blue (95%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (28%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2778, 0.2019, 0.2467 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 40.2778, 0.2019, 0.2467 by changing the saturation by 10% instead.


 40.2778, 0.2019,
0.2467


 40.2778, 0.2019,
0.2467


347.2931, 0.2553,
0.2887


 27.7552, 0.1895,
0.2363


 75.5864, 0.2207,
0.2619

 18.1412, 0.1743,
0.2232


 99.1411, 0.2279,
0.2677


 11.0514, 0.1552,
0.2062


 127.1420, 0.2341,
0.2725

 6.1014, 0.1309,
0.1835

 159.9735, 0.2395,
0.2767

 2.9069, 0.0999,
0.1526

 198.0200, 0.2442,
0.2803

 1.0833, 0.0590,
0.1105

241.6658, 0.2483,

 0.0000, 0.0000,

0.2834

0.0000

291.2954, 0.2520,
0.2862

■ 40.2778, 0.2019,
0.2467

■ 40.2778, 0.2019,
0.2467

■ 40.2089, 0.2018,
0.2465

■ 42.9711, 0.2059,
0.2557

■ 46.0156, 0.2117,
0.2649

■ 49.4877, 0.2194,
0.2741

■ 53.4337, 0.2291,
0.2832

■ 57.8929, 0.2406,
0.2921

■ 62.8998, 0.2535,
0.3006

■ 68.4853, 0.2675,
0.3086

■ 74.6779, 0.2824,
0.3161

■ 81.5038, 0.2977,
0.3229

Harmonies

Analogous

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



40.2778, 0.2026, 0.2888



40.2778, 0.2019, 0.2467



40.2778, 0.2264, 0.2298

Triad

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



40.2778, 0.2019, 0.2467



40.2778, 0.4000, 0.3010



40.2778, 0.3415, 0.4460

Complementary

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



40.2778, 0.2019, 0.2467



22.0693, 0.6109, 0.3529

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.



40.2778, 0.3989, 0.4353



40.2778, 0.2019, 0.2467



40.2778, 0.4369, 0.3489

Square

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



40.2778, 0.2019, 0.2467



40.2778, 0.3379, 0.2611



40.2778, 0.4353, 0.3971



40.2778, 0.2794, 0.4146

Rectangle

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



40.2778, 0.2019, 0.2467



40.2778, 0.2559, 0.2314



40.2778, 0.4353, 0.3971



40.2778, 0.3620, 0.4467

Sweetspot

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



40.2792, 0.2019, 0.2467



76.9092, 0.2670, 0.3083



63.7918, 0.2934, 0.5760



15.8770, 0.2610, 0.3050



0.0000, 0.0000, 0.0000



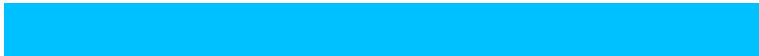
21.4041, 0.3127, 0.3290

Same Dimension

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



40.2792, 0.2019, 0.2467



45.2156, 0.2017, 0.2462



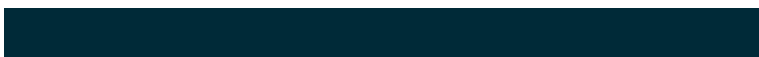
10.1954, 0.1584, 0.0901



17.2362, 0.2981, 0.3231



21.8296, 0.2022, 0.2480



1.9701, 0.2055, 0.2599

Inverse Universe

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



22.3067, 0.3955, 0.1953



25.0957, 0.3960, 0.1955



50.5677, 0.4767, 0.4595



15.9615, 0.3175, 0.3113



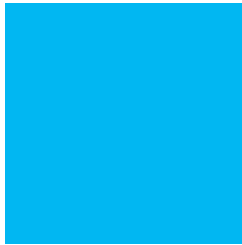
11.9971, 0.3943, 0.1946



1.0136, 0.3825, 0.1881

Previews

White Background



This preview shows how the Yxy color 40.2778, 0.2019, 0.2467 looks on a white background.

Color Contrast Check

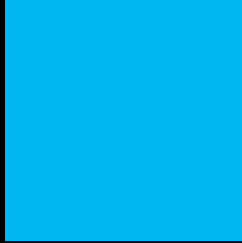
Large Text (above 18pt) WCAG AA × Fail

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 40.2778, 0.2019, 0.2467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

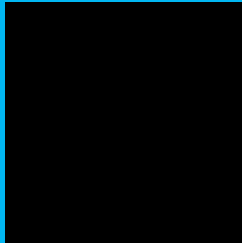
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2778, 0.2019, 0.2467

Background



This preview shows how black text looks on a background with the Yxy color 40.2778, 0.2019, 0.2467.

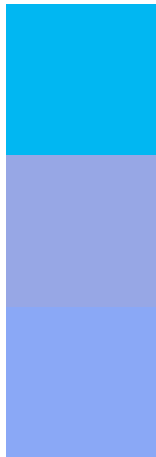


This preview shows how white text looks on a background with the Yxy color 40.2778, 0.2019, 0.2467.

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

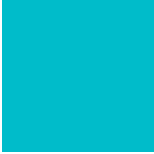
40.2842, 0.2019, 0.2467

Protanopia

39.8739, 0.2541, 0.2488

Deuteranopia

40.0624, 0.2364, 0.2303



Tritanopia

40.2307, 0.2186, 0.3071

Trichromacy



Original Color

40.2842, 0.2019, 0.2467



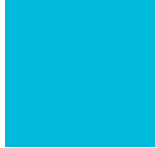
Protanomaly

38.3144, 0.2214, 0.2451



Deuteranomaly

38.5544, 0.2136, 0.2323



Tritanomaly

40.1276, 0.2118, 0.2826

Monochromacy



Original Color

40.2842, 0.2019, 0.2467



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.4909, 0.2407, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2778, 0.2019, 0.2467 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, 183, 242)` looks like.

```
.text, #text, p{  
  color:rgb(1, 183, 242)  
}
```

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, 183, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 183, 242) }
```

Border

The CSS property to change the border of an element to Yxy 40.2778, 0.2019, 0.2467 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, 183, 242) }
```

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

```
.border{ border-color:rgb(1, 183, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 183, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 183, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 183, 242);  
box-shadow:4px 4px 4px 4px rgb(1, 183,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2778, 0.2019, 0.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 183, 242) }
```

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

```
.background{ background-color: rgb(1, 183,  
242) }
```

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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