

Converting Colors

$Yxy(39.1125, 0.1903, 0.2409)$

Have a look what the booklet for
Yxy(39.1125, 0.1903, 0.2409)
contains.

Yxy(40.4595, 0.2009, 0.2433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.4595, 0.2009, 0.2433)

Conversions

Conversions Part 1

Format	Color
Hex	00B7F5
RGB	0, 183, 245
RGB Percent	0%, 72%, 96%
CMY	1.0000, 0.2823, 0.0393
CMYK	1.00, 0.25, 0.00, 0.04
HSL	195°, 100%, 48%
HSV	195°, 100%, 96%
XYZ	33.4086, 40.4595, 92.4266
YIQ	135.3510, -128.9700, -19.5140

Conversions

Conversions Part 2

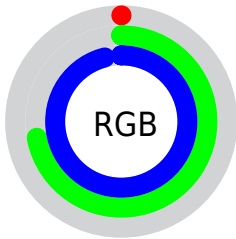
Format	Color
RYB	0, 105, 245
Decimal	47093
CIELab	69.80, -16.94, -41.45
CIELCh	70, 44.775, 247.766
Yxy	40.4595, 0.2009, 0.2433
Android (android.graphics.Color)	4278237173 (0xFF00B7F5)
YUV	135.3510, 54.0570, -118.7028
Hunter-Lab	63.6078, -17.5604, -41.6271

Details

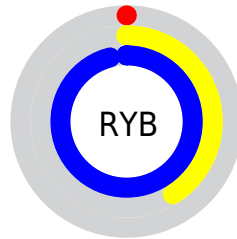
The Yxy color **40.4595, 0.2009, 0.2433** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **22.8538, 0.6098, 0.3540**, and the grayscale version is **24.1993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3325, 0.2376, 0.3098**, and **19.5961, 0.1958, 0.2249** is the 20% darker color. If you saturate the color by 10%, you get **40.4639, 0.2009, 0.2433**, and if you desaturate by 10%, it is **43.2779, 0.2050, 0.2527**.

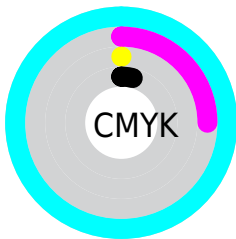
Distribution



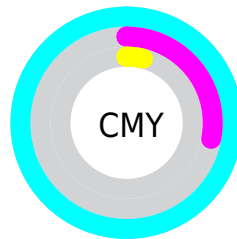
- Red (0%)
- Green (72%)
- Blue (96%)



- Red (0%)
- Yellow (41%)
- Blue (96%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (28%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.4595, 0.2009, 0.2433 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 40.4595, 0.2009, 0.2433 by changing the saturation by 10% instead.


 40.4595, 0.2009,
0.2433


 40.4595, 0.2009,
0.2433


348.0565, 0.2547,
0.2867

 27.8970, 0.1885,
0.2327


 75.8627, 0.2197,
0.2590

 18.2480, 0.1732,
0.2192


 99.4722, 0.2270,
0.2649

 11.1282, 0.1541,
0.2019


 127.5328, 0.2333,
0.2700

 6.1531, 0.1300,
0.1790

 160.4290, 0.2387,
0.2743

 2.9384, 0.0992,
0.1480

 198.5450, 0.2435,
0.2780

 1.0997, 0.0596,
0.1062

242.2653, 0.2476,

 0.0000, 0.0000,

0.2813

0.0000

291.9744, 0.2513,
0.2842

■ 40.4595, 0.2009,
0.2433

■ 40.4595, 0.2009,
0.2433

■ 40.4639, 0.2009,
0.2433

■ 43.2779, 0.2050,
0.2527

■ 46.4581, 0.2108,
0.2622

■ 50.0842, 0.2186,
0.2718

■ 54.2044, 0.2284,
0.2812

■ 58.8596, 0.2399,
0.2904

■ 64.0856, 0.2529,
0.2993

■ 69.9144, 0.2670,
0.3076

■ 76.3755, 0.2819,
0.3154

■ 83.4963, 0.2972,
0.3225

Harmonies

Analogous

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



40.4595, 0.1999, 0.2844



40.4595, 0.2009, 0.2433



40.4595, 0.2273, 0.2278

Triad

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



40.4595, 0.2009, 0.2433



40.4595, 0.4051, 0.3034



40.4595, 0.3377, 0.4477

Complementary

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



40.4595, 0.2009, 0.2433



22.8538, 0.6098, 0.3540

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.



40.4595, 0.3971, 0.4389



40.4595, 0.2009, 0.2433



40.4595, 0.4404, 0.3522

Square

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



40.4595, 0.2009, 0.2433



40.4595, 0.3427, 0.2621



40.4595, 0.4360, 0.4011



40.4595, 0.2748, 0.4130

Rectangle

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



40.4595, 0.2009, 0.2433



40.4595, 0.2582, 0.2304



40.4595, 0.4360, 0.4011



40.4595, 0.3588, 0.4493

Sweetspot

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



40.4639, 0.2009, 0.2433



76.5319, 0.2669, 0.3076



65.6388, 0.2926, 0.5733



15.7863, 0.2609, 0.3041



0.0000, 0.0000, 0.0000



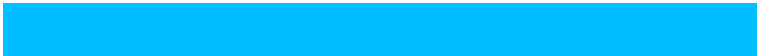
21.4041, 0.3127, 0.3290

Same Dimension

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



40.4639, 0.2009, 0.2433



44.2591, 0.2009, 0.2431



9.9560, 0.1573, 0.0862



18.0064, 0.2980, 0.3229



22.0333, 0.2014, 0.2448



2.0996, 0.2046, 0.2566

Inverse Universe

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



22.8302, 0.3989, 0.1971



24.9991, 0.3991, 0.1972



53.5851, 0.4728, 0.4628



16.6925, 0.3177, 0.3115



12.3236, 0.3974, 0.1963



1.0996, 0.3857, 0.1898

Previews

White Background



This preview shows how the Yxy color 40.4595, 0.2009, 0.2433 looks on a white background.

Color Contrast Check

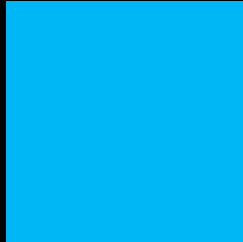
Large Text (above 18pt) WCAG AA × Fail

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 40.4595, 0.2009, 0.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

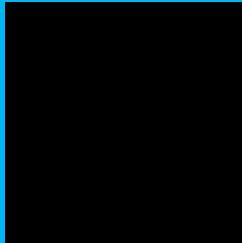
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

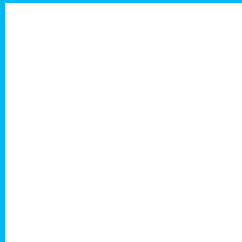
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4595, 0.2009, 0.2433

Background



This preview shows how black text looks on a background with the Yxy color 40.4595, 0.2009, 0.2433.



This preview shows how white text looks on a background with the Yxy color 40.4595, 0.2009, 0.2433.

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

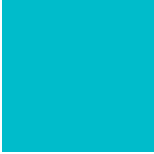
40.4595, 0.2009, 0.2433

Protanopia

39.9477, 0.2516, 0.2454

Deuteranopia

40.0168, 0.2342, 0.2280



Tritanopia

40.2782, 0.2182, 0.3056

Trichromacy



Original Color

40.4595, 0.2009, 0.2433



Protanomaly

38.4345, 0.2197, 0.2416



Deuteranomaly

38.6288, 0.2124, 0.2301



Tritanomaly

40.1798, 0.2115, 0.2812

Monochromacy



Original Color

40.4595, 0.2009, 0.2433



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.5301, 0.2400, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4595, 0.2009, 0.2433 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, 183, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 245)  
}
```

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, 183, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 245) }
```

Border

The CSS property to change the border of an element to Yxy 40.4595, 0.2009, 0.2433 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, 183, 245) }
```

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

```
.border{ border-color:rgb(0, 183, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4595, 0.2009, 0.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 245) }
```

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

```
.background{ background-color: rgb(0, 183,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor