

Converting Colors

$Y_{xy}(82.9670, 0.2193, 0.3557)$

Have a look what the booklet for
Yxy(82.9670, 0.2193, 0.3557)
contains.

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Color

Yxy(78.0517, 0.2284, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	00FFF4
RGB	0, 255, 244
RGB Percent	0%, 100%, 96%
CMY	1.0000, 0.0000, 0.0432
CMYK	1.00, 0.00, 0.04, 0.00
HSL	177°, 100%, 50%
HSV	177°, 100%, 100%
XYZ	52.0801, 78.0517, 97.8896
YIQ	177.5010, -148.4490, -57.4810

Conversions

Conversions Part 2

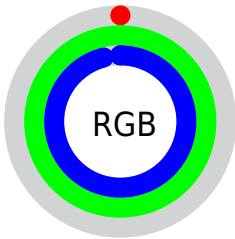
Format	Color
RYB	0, 130, 255
Decimal	65524
CIELab	90.80, -51.21, -8.88
CIELCh	91, 51.976, 189.842
Yxy	78.0517, 0.2284, 0.3423
Android (android.graphics.Color)	4278255604 (0xFF00FFF4)
YUV	177.5010, 32.7840, -155.6684
Hunter-Lab	88.3469, -49.3821, -3.8513

Details

The Yxy color **78.0517, 0.2284, 0.3423** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.2842, 0.6370, 0.3283**, and the grayscale version is **44.1247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **43.5633, 0.2286, 0.3429** is the 20% darker color. If you saturate the color by 10%, you get **78.0503, 0.2284, 0.3423**, and if you desaturate by 10%, it is **78.3306, 0.2292, 0.3409**.

Distribution



- Red (0%)
- Green (100%)
- Blue (96%)



- Red (0%)
- Yellow (51%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0517, 0.2284, 0.3423 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 78.0517, 0.2284, 0.3423 by changing the saturation by 10% instead.


 78.0517, 0.2284,
0.3423


 78.0517, 0.2284,
0.3423


488.3424, 0.2659,
0.3373


 58.1165, 0.2202,
0.3432


 130.6230, 0.2411,
0.3408

 41.9023, 0.2103,
0.3442

 164.0278, 0.2461,
0.3401

 29.0248, 0.1982,
0.3452


 202.6913, 0.2505,
0.3395

 19.0996, 0.1828,
0.3461

 246.9979, 0.2544,
0.3390

 11.7422, 0.1631,
0.3469

297.3318, 0.2578,
0.3385

 6.5684, 0.1369,
0.3467

354.0777, 0.2608,

 3.1937, 0.1015,

0.3380

0.3438

417.6197, 0.2635,
0.3376

■ 1.2337, 0.0000,
0.3515

■ 0.0890, 0.0000,
0.1102

■ 78.0517, 0.2284,
0.3423

■ 78.0517, 0.2284,
0.3423


■ 78.0503, 0.2284,
0.3423


■ 78.3306, 0.2292,
0.3409


■ 78.8888, 0.2314,
0.3394


■ 79.8100, 0.2355,
0.3380


■ 81.1461, 0.2416,
0.3366

 82.9406, 0.2496,
0.3351

 85.2316, 0.2594,
0.3338

 88.0531, 0.2709,
0.3324

 91.4362, 0.2838,
0.3312

 95.4096, 0.2979,
0.3301

Harmonies

Analogous

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



78.0517, 0.2738, 0.4032



78.0517, 0.2284, 0.3423



78.0517, 0.2059, 0.2843

Triad

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



78.0517, 0.2284, 0.3423



78.0517, 0.2836, 0.2419



78.0517, 0.4266, 0.4003

Complementary

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



78.0517, 0.2284, 0.3423



21.2842, 0.6370, 0.3283

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.



78.0517, 0.4328, 0.3548



78.0517, 0.2284, 0.3423



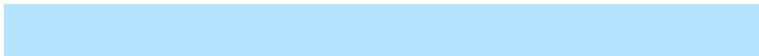
78.0517, 0.3453, 0.2685

Square

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



78.0517, 0.2284, 0.3423



78.0517, 0.2352, 0.2337



78.0517, 0.4022, 0.3084



78.0517, 0.3887, 0.4336

Rectangle

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



78.0517, 0.2284, 0.3423



78.0517, 0.2049, 0.2568



78.0517, 0.4022, 0.3084



78.0517, 0.4327, 0.3858

Sweetspot

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



78.0503, 0.2284, 0.3423



88.0531, 0.2709, 0.3324



71.6037, 0.3007, 0.5994



18.5781, 0.2659, 0.3330



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.



78.0503, 0.2284, 0.3423



26.0493, 0.1810, 0.1717



20.4671, 0.2986, 0.3300



40.7890, 0.2284, 0.3421



3.9755, 0.2279, 0.3404

Inverse Universe

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



21.2842, 0.6370, 0.3283



33.4645, 0.5585, 0.3948



17.9998, 0.3288, 0.3280



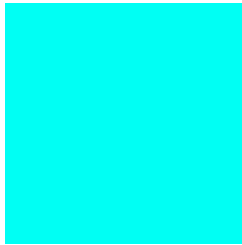
11.1269, 0.6357, 0.3276



1.0877, 0.6255, 0.3219

Previews

White Background



This preview shows how the Yxy color 78.0517, 0.2284, 0.3423 looks on a white background.

Color Contrast Check

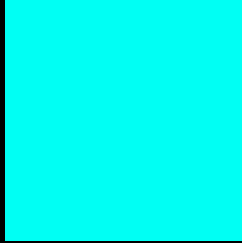
Large Text (above 18pt) WCAG AA × Fail

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 78.0517, 0.2284, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

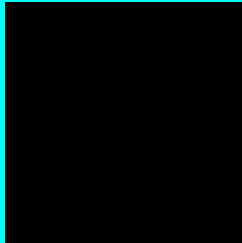
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

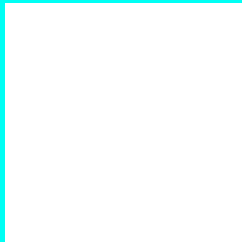
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0517, 0.2284, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 78.0517, 0.2284, 0.3423.

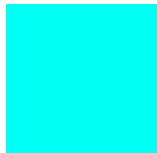


This preview shows how white text looks on a background with the Yxy color 78.0517, 0.2284, 0.3423.

Color Blindness Simulation

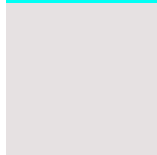
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.0517, 0.2284, 0.3423



Protanopia

76.1644, 0.3156, 0.3280



Deuteranopia

76.2192, 0.3038, 0.2966



Tritanopia

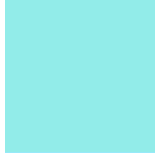
77.3997, 0.2547, 0.3141

Trichromacy



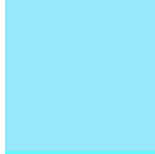
Original Color

78.0517, 0.2284, 0.3423



Protanomaly

71.9851, 0.2612, 0.3324



Deuteranomaly

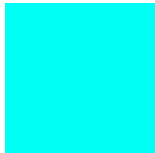
71.6967, 0.2554, 0.3103



Tritanomaly

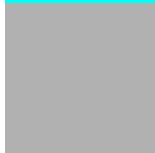
76.0280, 0.2370, 0.3240

Monochromacy



Original Color

78.0517, 0.2284, 0.3423



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

51.3904, 0.2550, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0517, 0.2284, 0.3423 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, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 244)  
}
```

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, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 78.0517, 0.2284, 0.3423 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, 255, 244) }
```

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

```
.border{ border-color:rgb(0, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
244) }
```

Background

The CSS property to change the background color of an element to Yxy 78.0517, 0.2284, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 244) }
```

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

```
.background{ background-color: rgb(0, 255,  
244) }
```

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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