

Converting Colors

$Y_{xy}(78.8660, 0.2316, 0.3399)$

Have a look what the booklet for
Yxy(78.8660, 0.2316, 0.3399)
contains.

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Color

Yxy(78.8776, 0.2315, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	33FFF6
RGB	51, 255, 246
RGB Percent	20%, 100%, 96%
CMY	0.8003, 0.0000, 0.0354
CMYK	0.80, 0.00, 0.04, 0.00
HSL	177°, 100%, 60%
HSV	177°, 80%, 100%
XYZ	53.7538, 78.8776, 99.5664
YIQ	192.9780, -118.6950, -46.0470

Conversions

Conversions Part 2

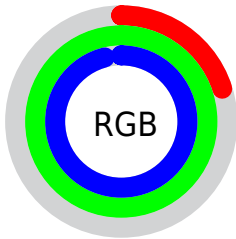
Format	Color
R_{YB}	51, 155, 255
Decimal	3407862
CIE _{Lab}	91.18, -48.49, -9.33
CIE _{LCh}	91, 49.383, 190.895
Yxy	78.8776, 0.2315, 0.3397
Android (android.graphics.Color)	4281597942 (0xFF33FFF6)
YUV	192.9780, 26.1398, -124.5147
Hunter-Lab	88.8131, -47.3864, -4.2996

Details

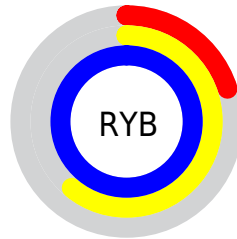
The Yxy color **78.8776, 0.2315, 0.3397** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.9457, 0.5859, 0.3245**, and the grayscale version is **53.1934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **43.6502, 0.2277, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **78.3159, 0.2293, 0.3412**, and if you desaturate by 10%, it is **79.7958, 0.2356, 0.3382**.

Distribution



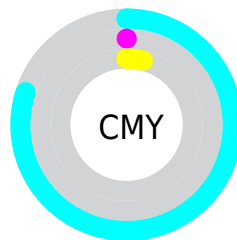
- Red (20%)
- Green (100%)
- Blue (96%)



- Red (20%)
- Yellow (61%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8776, 0.2315, 0.3397 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 78.8776, 0.2315, 0.3397 by changing the saturation by 10% instead.


 78.8776, 0.2315,
0.3397


 78.8776, 0.2315,
0.3397


491.1422, 0.2676,
0.3358


 58.7952, 0.2236,
0.3403

 131.7865, 0.2437,
0.3386


 42.4483, 0.2141,
0.3410

 165.3818, 0.2486,
0.3380

 29.4525, 0.2024,
0.3417

 204.2502, 0.2528,
0.3376

 19.4234, 0.1877,
0.3422

 248.7761, 0.2565,
0.3372

 11.9766, 0.1686,
0.3424

299.3438, 0.2597,
0.3368

 6.7277, 0.1434,
0.3415

356.3378, 0.2626,

 3.2924, 0.1089,

0.3364

420.1425, 0.2652,
0.3361

0.3379

1.2862, 0.0000,
0.3475

0.1305, 0.0000,
0.1411

78.8776, 0.2315,
0.3397

78.8776, 0.2315,
0.3397

78.3159, 0.2293,
0.3412

79.7958, 0.2356,
0.3382

78.0356, 0.2285,
0.3426

81.1319, 0.2416,
0.3367

82.9262, 0.2496,
0.3353

85.2169, 0.2594,
0.3339

88.0381, 0.2709,
0.3325

91.4208, 0.2838,
0.3313

95.3938, 0.2978,
0.3301

99.9836, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.8776, 0.2743, 0.3971



78.8776, 0.2315, 0.3397



78.8776, 0.2107, 0.2854

Triad

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



78.8776, 0.2315, 0.3397



78.8776, 0.2871, 0.2466



78.8776, 0.4201, 0.3986

Complementary

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



78.8776, 0.2315, 0.3397



23.9457, 0.5859, 0.3245

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.



78.8776, 0.4268, 0.3557



78.8776, 0.2315, 0.3397



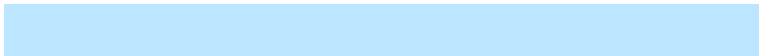
78.8776, 0.3458, 0.2726

Square

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



78.8776, 0.2315, 0.3397



78.8776, 0.2403, 0.2381



78.8776, 0.3989, 0.3111



78.8776, 0.3835, 0.4290

Rectangle

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



78.8776, 0.2315, 0.3397



78.8776, 0.2102, 0.2595



78.8776, 0.3989, 0.3111



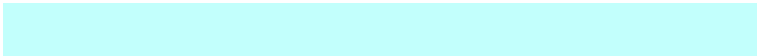
78.8776, 0.4261, 0.3851

Sweetspot

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



78.8745, 0.2315, 0.3397



90.0100, 0.2785, 0.3318



72.7542, 0.3034, 0.5766



19.0112, 0.2740, 0.3322



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.



78.8745, 0.2315, 0.3397



78.1288, 0.2287, 0.3420



34.1734, 0.1958, 0.2056



20.4668, 0.2986, 0.3300



40.7814, 0.2284, 0.3423



3.9749, 0.2280, 0.3407

Inverse Universe

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



23.9457, 0.5859, 0.3245



21.5356, 0.6314, 0.3278



41.0692, 0.5110, 0.4065



18.0001, 0.3288, 0.3280



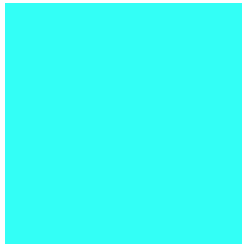
11.1273, 0.6356, 0.3275



1.0878, 0.6252, 0.3218

Previews

White Background



This preview shows how the Yxy color 78.8776, 0.2315, 0.3397 looks on a white background.

Color Contrast Check

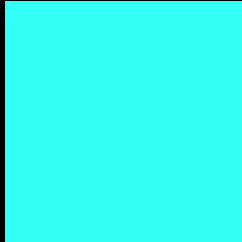
Large Text (above 18pt) WCAG AA × Fail

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 78.8776, 0.2315, 0.3397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

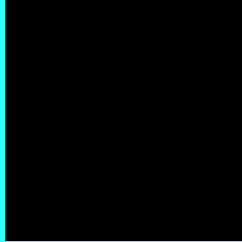
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

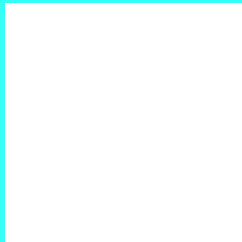
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8776, 0.2315, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 78.8776, 0.2315, 0.3397.

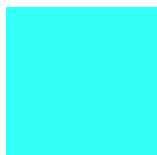


This preview shows how white text looks on a background with the Yxy color 78.8776, 0.2315, 0.3397.

Color Blindness Simulation

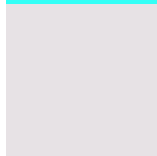
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



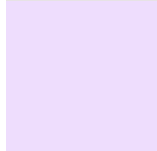
Original Color

78.8776, 0.2315, 0.3397



Protanopia

77.0388, 0.3143, 0.3259



Deuteranopia

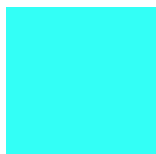
76.9819, 0.3039, 0.2967



Tritanopia

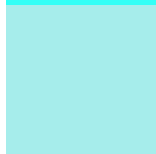
77.9934, 0.2575, 0.3142

Trichromacy



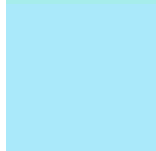
Original Color

78.8776, 0.2315, 0.3397



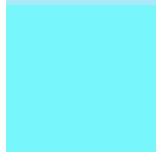
Protanomaly

74.6735, 0.2706, 0.3312



Deuteranomaly

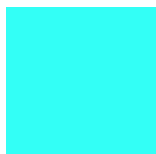
73.7260, 0.2645, 0.3097



Tritanomaly

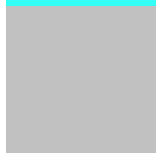
77.4717, 0.2436, 0.3230

Monochromacy



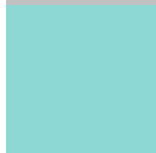
Original Color

78.8776, 0.2315, 0.3397



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.5279, 0.2661, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8776, 0.2315, 0.3397 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(51, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 246)  
}
```

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(51, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 78.8776, 0.2315, 0.3397 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(51, 255, 246) }
```

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

```
.border{ border-color:rgb(51, 255, 246) }
```

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

Here you see how a box with a 4 pixel rgb(51, 255, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8776, 0.2315, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 246) }
```

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

```
.background{ background-color: rgb(51, 255,  
246) }
```

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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