

Converting Colors

$Y_{xy}(76.6385, 0.2274, 0.3247)$

Have a look what the booklet for
Yxy(76.6385, 0.2274, 0.3247)
contains.

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Color

Yxy(76.8802, 0.2275, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	34FBFE
RGB	52, 251, 254
RGB Percent	20%, 98%, 100%
CMY	0.7968, 0.0157, 0.0038
CMYK	0.80, 0.01, 0.00, 0.00
HSL	181°, 99%, 60%
HSV	181°, 80%, 100%
XYZ	53.7996, 76.8802, 105.8019
YIQ	191.8410, -119.5670, -41.2550

Conversions

Conversions Part 2

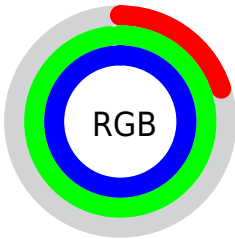
Format	Color
R _Y B	52, 152, 254
Decimal	3472382
CIE Lab	90.27, -44.44, -14.88
CIE LCh	90, 46.866, 198.508
Yxy	76.8802, 0.2275, 0.3251
Android (android.graphics.Color)	4281662462 (0xFF34FBFE)
YUV	191.8410, 30.6444, -122.6406
Hunter-Lab	87.6814, -43.9182, -10.1661

Details

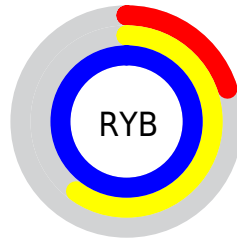
The Yxy color **76.8802, 0.2275, 0.3251** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.0415, 0.5911, 0.3316**, and the grayscale version is **52.4549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **42.6148, 0.2234, 0.3241** is the 20% darker color. If you saturate the color by 10%, you get **76.1454, 0.2247, 0.3246**, and if you desaturate by 10%, it is **77.9828, 0.2321, 0.3256**.

Distribution



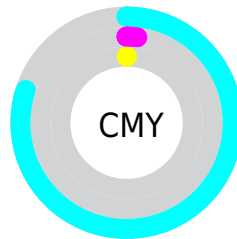
- Red (20%)
- Green (98%)
- Blue (100%)



- Red (20%)
- Yellow (60%)
- Blue (100%)



- Cyan (80%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8802, 0.2275, 0.3251 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 76.8802, 0.2275, 0.3251 by changing the saturation by 10% instead.


 76.8802, 0.2275,
0.3251


 76.8802, 0.2275,
0.3251


484.3555, 0.2653,
0.3282

 57.1546, 0.2193,
0.3241


 128.9704, 0.2403,
0.3264


 41.1293, 0.2094,
0.3228


 162.1037, 0.2453,
0.3268

 28.4202, 0.1973,
0.3209


 200.4750, 0.2497,
0.3272

 18.6426, 0.1820,
0.3180

 244.4687, 0.2536,
0.3275

 11.4123, 0.1624,
0.3136

294.4692, 0.2570,
0.3277

 6.3449, 0.1366,
0.3063

350.8609, 0.2601,

 3.0559, 0.1021,

0.3279

0.2929

414.0282, 0.2628,
0.3280

■ 1.1610, 0.0000,
0.2814

■ 0.0295, 0.0000,
0.0267

■ 76.8802, 0.2275,
0.3251

■ 76.8802, 0.2275,
0.3251

■ 76.1454, 0.2247,
0.3246

■ 77.9828, 0.2321,
0.3256

■ 75.6897, 0.2234,
0.3241

■ 79.4957, 0.2387,
0.3261

■ 75.6739, 0.2234,
0.3241

■ 81.4647, 0.2472,
0.3266

■ 83.9271, 0.2576,
0.3272

■ 86.9167, 0.2697,
0.3277

■ 90.4642, 0.2832,
0.3281

■ 94.5979, 0.2979,
0.3286

■ 99.3368, 0.3133,
0.3290

■ 99.5788, 0.3133,
0.3294

Harmonies

Analogous

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



76.8802, 0.2639, 0.3812



76.8802, 0.2275, 0.3251



76.8802, 0.2132, 0.2768

Triad

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



76.8802, 0.2275, 0.3251



76.8802, 0.3020, 0.2546



76.8802, 0.4092, 0.4052

Complementary

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



76.8802, 0.2275, 0.3251



24.0415, 0.5911, 0.3316

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.



76.8802, 0.4235, 0.3660



76.8802, 0.2275, 0.3251



76.8802, 0.3586, 0.2833

Square

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



76.8802, 0.2275, 0.3251



76.8802, 0.2530, 0.2418



76.8802, 0.4049, 0.3226



76.8802, 0.3688, 0.4285

Rectangle

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



76.8802, 0.2275, 0.3251



76.8802, 0.2166, 0.2555



76.8802, 0.4049, 0.3226



76.8802, 0.4174, 0.3932

Sweetspot

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



76.8831, 0.2275, 0.3251



89.5990, 0.2771, 0.3279



71.8801, 0.3011, 0.5774



18.9102, 0.2724, 0.3278



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.



76.8831, 0.2275, 0.3251



76.4870, 0.2238, 0.3243



30.6406, 0.1925, 0.1922



20.4319, 0.2980, 0.3286



39.9031, 0.2234, 0.3242



3.8996, 0.2235, 0.3247

Inverse Universe

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



30.4827, 0.3234, 0.1656



28.4673, 0.3246, 0.1571



44.0819, 0.4993, 0.4162



18.2954, 0.3140, 0.3059



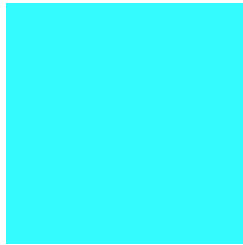
14.7562, 0.3247, 0.1562



1.4382, 0.3242, 0.1560

Previews

White Background



This preview shows how the Yxy color 76.8802, 0.2275, 0.3251 looks on a white background.

Color Contrast Check

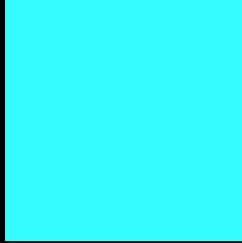
Large Text (above 18pt) WCAG AA × Fail

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 76.8802, 0.2275, 0.3251 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 76.8802, 0.2275, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 76.8802, 0.2275, 0.3251.

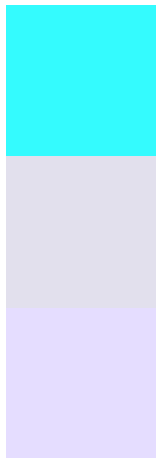


This preview shows how white text looks on a background with the Yxy color 76.8802, 0.2275, 0.3251.

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

76.8802, 0.2275, 0.3251

Protanopia

75.5945, 0.3058, 0.3153

Deuteranopia

75.5909, 0.2966, 0.2941



Tritanopia

76.2416, 0.2518, 0.3129

Trichromacy



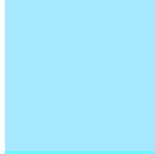
Original Color

76.8802, 0.2275, 0.3251



Protanomaly

73.1032, 0.2645, 0.3185



Deuteranomaly

72.9326, 0.2593, 0.3029



Tritanomaly

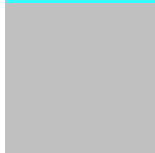
75.9696, 0.2395, 0.3171

Monochromacy



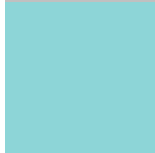
Original Color

76.8802, 0.2275, 0.3251



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.1575, 0.2639, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8802, 0.2275, 0.3251 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(52, 251, 254)` looks like.

```
.text, #text, p{  
    color:rgb(52, 251, 254)  
}
```

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(52, 251, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 251, 254) }
```

Border

The CSS property to change the border of an element to Yxy 76.8802, 0.2275, 0.3251 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(52, 251, 254) }
```

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

```
.border{ border-color:rgb(52, 251, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 251, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 251, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 251, 254);  
box-shadow:4px 4px 4px 4px rgb(52, 251,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8802, 0.2275, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 251, 254) }
```

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

```
.background{ background-color: rgb(52, 251,  
254) }
```

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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