

Converting Colors

$Yxy(76.8944, 0.2290, 0.3231)$

Have a look what the booklet for
Yxy(76.8944, 0.2290, 0.3231)
contains.

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Color

Yxy(76.7150, 0.2289, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	41FAFF
RGB	65, 250, 255
RGB Percent	25%, 98%, 100%
CMY	0.7463, 0.0195, 0.0000
CMYK	0.75, 0.02, 0.00, 0.00
HSL	182°, 100%, 63%
HSV	182°, 75%, 100%
XYZ	54.3992, 76.7150, 106.5407
YIQ	195.2550, -111.8650, -37.6650

Conversions

Conversions Part 2

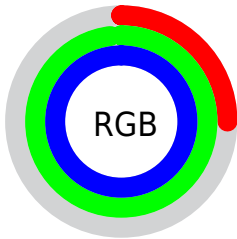
Format	Color
RYB	65, 159, 255
Decimal	4324095
CIELab	90.19, -42.58, -15.47
CIELCh	90, 45.306, 199.964
Yxy	76.7150, 0.2289, 0.3228
Android (android.graphics.Color)	4282514175 (0xFF41FAFF)
YUV	195.2550, 29.4543, -114.2336
Hunter-Lab	87.5871, -42.4134, -10.8092

Details

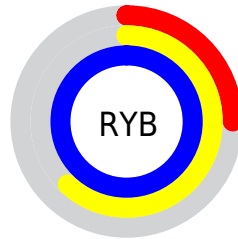
The Yxy color **76.7150, 0.2289, 0.3228** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.9766, 0.5689, 0.3332**, and the grayscale version is **54.5555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **42.2171, 0.2225, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **75.6261, 0.2251, 0.3219**, and if you desaturate by 10%, it is **78.2028, 0.2346, 0.3237**.

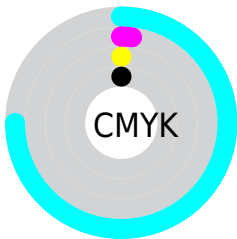
Distribution



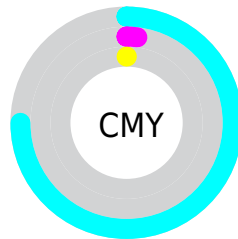
- Red (25%)
- Green (98%)
- Blue (100%)



- Red (25%)
- Yellow (62%)
- Blue (100%)



- Cyan (75%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7150, 0.2289, 0.3228 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 76.7150, 0.2289, 0.3228 by changing the saturation by 10% instead.


 76.7150, 0.2289,
0.3228


 76.7150, 0.2289,
0.3228


483.7918, 0.2661,
0.3269


 57.0190, 0.2208,
0.3216

 128.7371, 0.2415,
0.3244


 41.0205, 0.2111,
0.3200


 161.8320, 0.2464,
0.3250

 28.3351, 0.1991,
0.3177


 200.1619, 0.2508,
0.3255

 18.5784, 0.1841,
0.3145

 244.1114, 0.2546,
0.3259

 11.3660, 0.1647,
0.3096

294.0647, 0.2580,
0.3262

 6.3136, 0.1392,
0.3015

350.4063, 0.2610,

 3.0367, 0.1049,

0.3265

0.2873

413.5205, 0.2637,
0.3267

■ 1.1509, 0.0078,
0.2730

■ 0.0211, 0.0000,
0.0186

■ 76.7150, 0.2289,
0.3228

■ 76.7150, 0.2289,
0.3228

■ 75.6261, 0.2251,
0.3219

■ 78.2028, 0.2346,
0.3237

■ 74.8699, 0.2230,
0.3211

■ 80.1278, 0.2423,
0.3246

■ 74.5581, 0.2224,
0.3206

■ 82.5333, 0.2519,
0.3255

■ 85.4551, 0.2633,
0.3263

■ 88.9254, 0.2762,
0.3272

■ 92.9741, 0.2904,
0.3279

■ 97.6286, 0.3055,
0.3287

■ 99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



76.7150, 0.2634, 0.3770



76.7150, 0.2289, 0.3228



76.7150, 0.2160, 0.2768

Triad

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



76.7150, 0.2289, 0.3228



76.7150, 0.3050, 0.2578



76.7150, 0.4048, 0.4046

Complementary

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



76.7150, 0.2289, 0.3228



25.9766, 0.5689, 0.3332

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.



76.7150, 0.4200, 0.3672



76.7150, 0.2289, 0.3228



76.7150, 0.3598, 0.2864

Square

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



76.7150, 0.2289, 0.3228



76.7150, 0.2568, 0.2446



76.7150, 0.4034, 0.3250



76.7150, 0.3649, 0.4256

Rectangle

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



76.7150, 0.2289, 0.3228



76.7150, 0.2200, 0.2567



76.7150, 0.4034, 0.3250



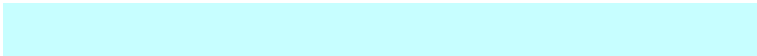
76.7150, 0.4131, 0.3933

Sweetspot

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



76.7179, 0.2289, 0.3228



89.9369, 0.2798, 0.3274



73.0450, 0.3008, 0.5641



19.0280, 0.2761, 0.3272



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.



76.7179, 0.2289, 0.3228



75.1871, 0.2238, 0.3215



32.3379, 0.1968, 0.1975



20.3952, 0.2980, 0.3283



38.9973, 0.2224, 0.3208



3.8218, 0.2227, 0.3217

Inverse Universe

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



31.9088, 0.3251, 0.1718



28.8166, 0.3268, 0.1604



47.8383, 0.4833, 0.4182



18.2917, 0.3142, 0.3062



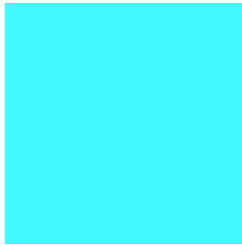
14.6648, 0.3276, 0.1578



1.4304, 0.3267, 0.1574

Previews

White Background



This preview shows how the Yxy color 76.7150, 0.2289, 0.3228 looks on a white background.

Color Contrast Check

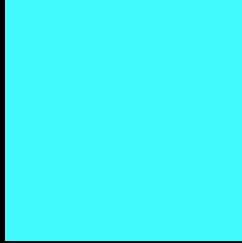
Large Text (above 18pt) WCAG AA × Fail

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 76.7150, 0.2289, 0.3228 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

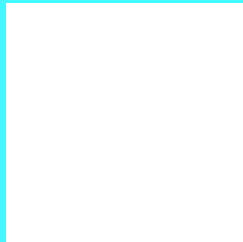
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7150, 0.2289, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 76.7150, 0.2289, 0.3228.

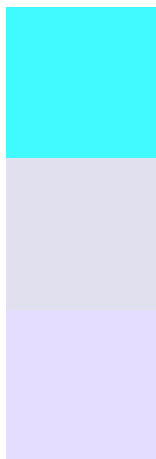


This preview shows how white text looks on a background with the Yxy color 76.7150, 0.2289, 0.3228.

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

76.7150, 0.2289, 0.3228

Protanopia

75.4919, 0.3044, 0.3142

Deuteranopia

75.4269, 0.2959, 0.2941



Tritanopia

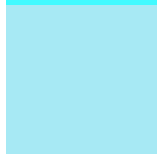
76.2416, 0.2518, 0.3129

Trichromacy



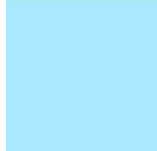
Original Color

76.7150, 0.2289, 0.3228



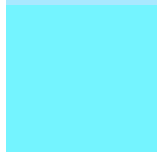
Protanomaly

73.0250, 0.2660, 0.3163



Deuteranomaly

73.3682, 0.2614, 0.3031



Tritanomaly

75.6344, 0.2406, 0.3159

Monochromacy



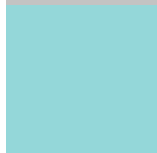
Original Color

76.7150, 0.2289, 0.3228



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

59.9065, 0.2671, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7150, 0.2289, 0.3228 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(65, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 250, 255)  
}
```

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(65, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.7150, 0.2289, 0.3228 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(65, 250, 255) }
```

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

```
.border{ border-color:rgb(65, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7150, 0.2289, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 250, 255) }
```

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

```
.background{ background-color: rgb(65, 250,  
255) }
```

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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