

Converting Colors

$Yxy(77.8500, 0.2306, 0.3245)$

Have a look what the booklet for
Yxy(77.8500, 0.2306, 0.3245)
contains.

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Color

Yxy(77.5540, 0.2304, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	47FBFF
RGB	71, 251, 255
RGB Percent	28%, 98%, 100%
CMY	0.7211, 0.0157, 0.0000
CMYK	0.72, 0.02, 0.00, 0.00
HSL	181°, 100%, 64%
HSV	181°, 72%, 100%
XYZ	55.1495, 77.5540, 106.6607
YIQ	197.6360, -108.5640, -36.9160

Conversions

Conversions Part 2

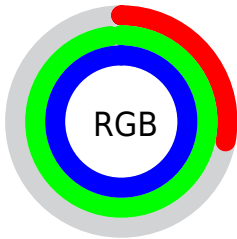
Format	Color
RYB	71, 162, 255
Decimal	4717567
CIELab	90.58, -42.35, -14.88
CIELCh	91, 44.883, 199.359
Yxy	77.5540, 0.2304, 0.3240
Android (android.graphics.Color)	4282907647 (0xFF47FBFF)
YUV	197.6360, 28.2805, -111.0598
Hunter-Lab	88.0647, -42.3298, -10.1645

Details

The Yxy color **77.5540, 0.2304, 0.3240** 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 **26.7602, 0.5582, 0.3327**, and the grayscale version is **56.1337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **42.6608, 0.2229, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **76.4397, 0.2262, 0.3233**, and if you desaturate by 10%, it is **79.0794, 0.2366, 0.3247**.

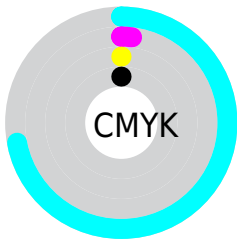
Distribution



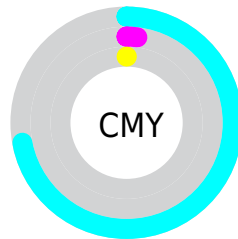
- Red (28%)
- Green (98%)
- Blue (100%)



- Red (28%)
- Yellow (64%)
- Blue (100%)



- Cyan (72%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5540, 0.2304, 0.3240 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 77.5540, 0.2304, 0.3240 by changing the saturation by 10% instead.


 77.5540, 0.2304,
0.3240


 77.5540, 0.2304,
0.3240


486.6508, 0.2669,
0.3275

 57.7077, 0.2225,
0.3229


 129.9212, 0.2427,
0.3254


 41.5737, 0.2129,
0.3215


 163.2109, 0.2476,
0.3259

 28.7676, 0.2012,
0.3195


 201.7505, 0.2519,
0.3263

 18.9051, 0.1864,
0.3166

 245.9244, 0.2556,
0.3266

 11.6017, 0.1674,
0.3122

296.1170, 0.2589,
0.3269

 6.4731, 0.1424,
0.3049

352.7126, 0.2619,

 3.1348, 0.1085,

0.3271

0.2918

416.0958, 0.2645,
0.3273

1.2025, 0.0183,
0.2780

0.0638, 0.0000,
0.0540

77.5540, 0.2304,
0.3240

77.5540, 0.2304,
0.3240

76.4397, 0.2262,
0.3233

79.0794, 0.2366,
0.3247

75.6735, 0.2237,
0.3226

81.0522, 0.2447,
0.3255

75.2528, 0.2228,
0.3220

83.5143, 0.2547,
0.3262

86.5007, 0.2665,
0.3269

90.0428, 0.2797,
0.3276

94.1699, 0.2941,
0.3283

98.9091, 0.3094,
0.3289

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



77.5540, 0.2649, 0.3773



77.5540, 0.2304, 0.3240



77.5540, 0.2171, 0.2783

Triad

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



77.5540, 0.2304, 0.3240



77.5540, 0.3041, 0.2582



77.5540, 0.4043, 0.4031

Complementary

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



77.5540, 0.2304, 0.3240



26.7602, 0.5582, 0.3327

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.



77.5540, 0.4186, 0.3660



77.5540, 0.2304, 0.3240



77.5540, 0.3581, 0.2862

Square

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



77.5540, 0.2304, 0.3240



77.5540, 0.2567, 0.2454



77.5540, 0.4016, 0.3243



77.5540, 0.3653, 0.4242

Rectangle

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



77.5540, 0.2304, 0.3240



77.5540, 0.2208, 0.2581



77.5540, 0.4016, 0.3243



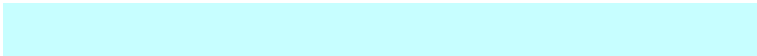
77.5540, 0.4123, 0.3919

Sweetspot

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



77.5569, 0.2304, 0.3240



90.0940, 0.2798, 0.3276



73.3542, 0.3011, 0.5577



19.0657, 0.2761, 0.3274



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.



77.5569, 0.2304, 0.3240



76.0320, 0.2248, 0.3229



33.6995, 0.1998, 0.2027



20.4098, 0.2980, 0.3284



39.3553, 0.2228, 0.3221



3.8526, 0.2230, 0.3229

Inverse Universe

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



32.7435, 0.3239, 0.1741



29.2698, 0.3255, 0.1613



49.0285, 0.4767, 0.4171



18.2932, 0.3141, 0.3061



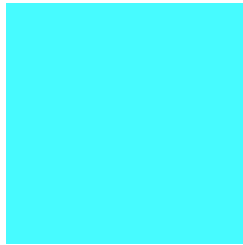
14.7009, 0.3264, 0.1572



1.4335, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 77.5540, 0.2304, 0.3240 looks on a white background.

Color Contrast Check

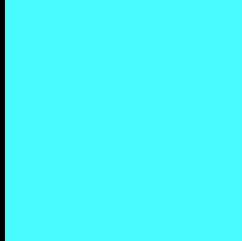
Large Text (above 18pt) WCAG AA × Fail

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 77.5540, 0.2304, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

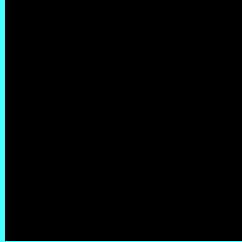
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5540, 0.2304, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 77.5540, 0.2304, 0.3240.

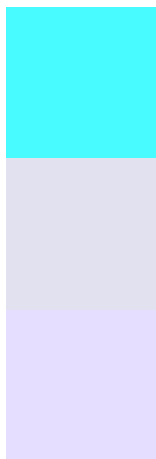


This preview shows how white text looks on a background with the Yxy color 77.5540, 0.2304, 0.3240.

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

77.5540, 0.2304, 0.3240

Protanopia

76.2512, 0.3045, 0.3143

Deuteranopia

76.2855, 0.2973, 0.2953



Tritanopia

76.8060, 0.2545, 0.3130

Trichromacy



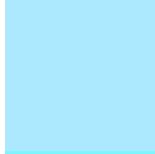
Original Color

77.5540, 0.2304, 0.3240



Protanomaly

73.9843, 0.2672, 0.3164



Deuteranomaly

74.2685, 0.2631, 0.3043



Tritanomaly

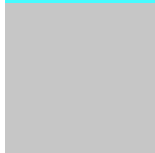
76.7358, 0.2433, 0.3172

Monochromacy



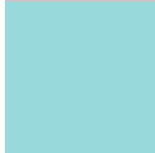
Original Color

77.5540, 0.2304, 0.3240



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.4156, 0.2686, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5540, 0.2304, 0.3240 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(71, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 251, 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(71, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.5540, 0.2304, 0.3240 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(71, 251, 255) }
```

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

```
.border{ border-color:rgb(71, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5540, 0.2304, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 251, 255) }
```

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

```
.background{ background-color: rgb(71, 251,  
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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