

Converting Colors

$Yxy(77.4424, 0.2273, 0.3250)$

Have a look what the booklet for
Yxy(77.4424, 0.2273, 0.3250)
contains.

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Color

Yxy(77.5446, 0.2274, 0.3252)

Conversions

Conversions Part 1

Format	Color
Hex	33FCFF
RGB	51, 252, 255
RGB Percent	20%, 99%, 100%
CMY	0.7996, 0.0117, 0.0002
CMYK	0.80, 0.01, 0.00, 0.00
HSL	181°, 100%, 60%
HSV	181°, 80%, 100%
XYZ	54.2240, 77.5446, 106.6834
YIQ	192.2430, -120.7590, -41.6790

Conversions

Conversions Part 2

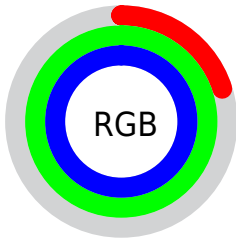
Format	Color
RYB	51, 152, 255
Decimal	3407103
CIELab	90.57, -44.67, -14.90
CIELCh	91, 47.092, 198.445
Yxy	77.5446, 0.2274, 0.3252
Android (android.graphics.Color)	4281597183 (0xFF33FCFF)
YUV	192.2430, 30.9392, -123.8701
Hunter-Lab	88.0594, -44.1897, -10.1879

Details

The Yxy color **77.5446, 0.2274, 0.3252** 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 **24.1376, 0.5926, 0.3315**, and the grayscale version is **52.7496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **43.1074, 0.2234, 0.3241** is the 20% darker color. If you saturate the color by 10%, you get **76.8232, 0.2247, 0.3247**, and if you desaturate by 10%, it is **78.6349, 0.2319, 0.3257**.

Distribution



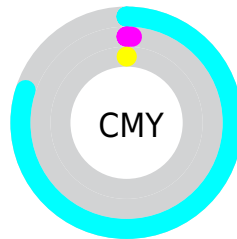
- Red (20%)
- Green (99%)
- Blue (100%)



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



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




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5446, 0.2274, 0.3252 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 77.5446, 0.2274, 0.3252 by changing the saturation by 10% instead.


 77.5446, 0.2274,
0.3252


 77.5446, 0.2274,
0.3252

486.6189, 0.2652,
0.3282

 57.7000, 0.2192,
0.3242


 129.9080, 0.2402,
0.3265

 41.5675, 0.2094,
0.3229


 163.1955, 0.2452,
0.3269

 28.7628, 0.1972,
0.3210


 201.7327, 0.2496,
0.3273

 18.9014, 0.1821,
0.3182

 245.9041, 0.2535,
0.3275

 11.5991, 0.1626,
0.3139

296.0940, 0.2569,
0.3277

 6.4713, 0.1370,
0.3067

352.6868, 0.2600,

 3.1337, 0.1027,

0.3279

416.0670, 0.2627,
0.3281

0.2935

1.2019, 0.0051,
0.2815

0.0633, 0.0000,
0.0536

77.5446, 0.2274,
0.3252

77.5446, 0.2274,
0.3252

76.8232, 0.2247,
0.3247

78.6349, 0.2319,
0.3257


76.3777, 0.2234,
0.3243

80.1373, 0.2384,
0.3262

76.3758, 0.2234,
0.3243

82.0982, 0.2469,
0.3267

84.5556, 0.2572,
0.3272

 87.5435, 0.2693,
0.3277

 91.0931, 0.2827,
0.3281

 95.2329, 0.2973,
0.3286

99.9740, 0.3127,
0.3290

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



77.5446, 0.2639, 0.3815



77.5446, 0.2274, 0.3252



77.5446, 0.2130, 0.2768

Triad

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



77.5446, 0.2274, 0.3252



77.5446, 0.3019, 0.2544



77.5446, 0.4094, 0.4053

Complementary

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



77.5446, 0.2274, 0.3252



24.1376, 0.5926, 0.3315

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.



77.5446, 0.4237, 0.3659



77.5446, 0.2274, 0.3252



77.5446, 0.3586, 0.2831

Square

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



77.5446, 0.2274, 0.3252



77.5446, 0.2528, 0.2417



77.5446, 0.4050, 0.3225



77.5446, 0.3690, 0.4286

Rectangle

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



77.5446, 0.2274, 0.3252



77.5446, 0.2164, 0.2554



77.5446, 0.4050, 0.3225



77.5446, 0.4176, 0.3932

Sweetspot

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



77.5475, 0.2274, 0.3252



89.6177, 0.2771, 0.3280



72.4422, 0.3010, 0.5781



18.9148, 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.



77.5475, 0.2274, 0.3252



76.5606, 0.2238, 0.3244



30.7190, 0.1921, 0.1915



20.4335, 0.2980, 0.3286



39.9424, 0.2234, 0.3243



3.9030, 0.2236, 0.3249

Inverse Universe

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



30.6588, 0.3234, 0.1653



28.4748, 0.3244, 0.1570



44.2874, 0.5002, 0.4162



18.2956, 0.3140, 0.3059



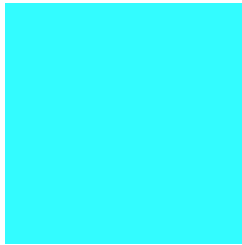
14.7602, 0.3246, 0.1562



1.4386, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 77.5446, 0.2274, 0.3252 looks on a white background.

Color Contrast Check

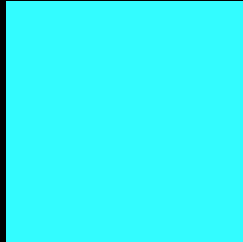
Large Text (above 18pt) WCAG AA × Fail

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 77.5446, 0.2274, 0.3252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

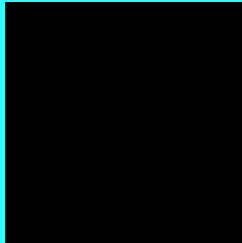
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5446, 0.2274, 0.3252

Background



This preview shows how black text looks on a background with the Yxy color 77.5446, 0.2274, 0.3252.

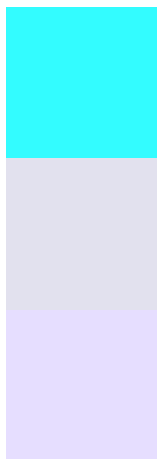


This preview shows how white text looks on a background with the Yxy color 77.5446, 0.2274, 0.3252.

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

77.5446, 0.2274, 0.3252

Protanopia

76.1922, 0.3051, 0.3153

Deuteranopia

76.2855, 0.2973, 0.2953



Tritanopia

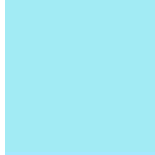
76.6146, 0.2536, 0.3129

Trichromacy



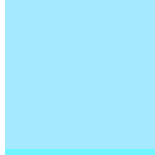
Original Color

77.5446, 0.2274, 0.3252



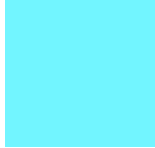
Protanomaly

73.6297, 0.2636, 0.3185



Deuteranomaly

73.4972, 0.2594, 0.3041



Tritanomaly

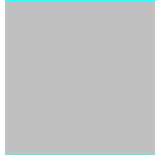
76.1022, 0.2402, 0.3171

Monochromacy



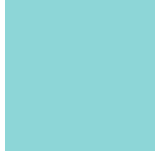
Original Color

77.5446, 0.2274, 0.3252



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.6622, 0.2641, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5446, 0.2274, 0.3252 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 252, 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(51, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.5446, 0.2274, 0.3252 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, 252, 255) }
```

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

```
.border{ border-color:rgb(51, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 252, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 252, 255); box-shadow:4px 4px 4px 4px rgb(51, 252, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5446, 0.2274, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 252, 255) }
```

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

```
.background{ background-color: rgb(51, 252,  
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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