

Converting Colors

$Y_{xy}(77.7097, 0.2258, 0.3261)$

Have a look what the booklet for
Yxy(77.7097, 0.2258, 0.3261)
contains.

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Color

Yxy(77.8279, 0.2259, 0.3263)

Conversions

Conversions Part 1

Format	Color
Hex	23FDFF
RGB	35, 253, 255
RGB Percent	14%, 99%, 100%
CMY	0.8611, 0.0079, 0.0000
CMYK	0.86, 0.01, 0.00, 0.00
HSL	181°, 100%, 57%
HSV	181°, 86%, 100%
XYZ	53.8809, 77.8279, 106.8076
YIQ	188.0460, -130.5700, -45.5940

Conversions

Conversions Part 2

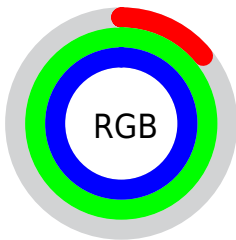
Format	Color
R _Y B	35, 144, 255
Decimal	2358783
CIE Lab	90.70, -46.11, -14.75
CIE LCh	91, 48.411, 197.743
Yxy	77.8279, 0.2259, 0.3263
Android (android.graphics.Color)	4280548863 (0xFF23FDFF)
YUV	188.0460, 33.0083, -134.2213
Hunter-Lab	88.2201, -45.3655, -10.0280

Details

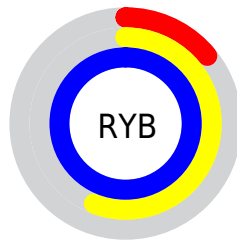
The Yxy color **77.8279, 0.2259, 0.3263** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.7334, 0.6142, 0.3307**, and the grayscale version is **50.2520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **43.5571, 0.2238, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **77.3815, 0.2242, 0.3260**, and if you desaturate by 10%, it is **78.6015, 0.2292, 0.3266**.

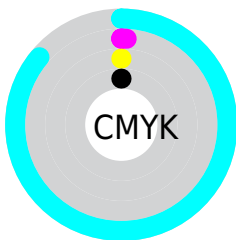
Distribution



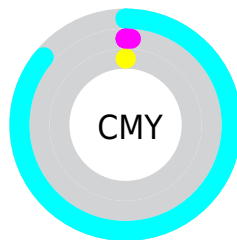
- Red (14%)
- Green (99%)
- Blue (100%)



- Red (14%)
- Yellow (56%)
- Blue (100%)



- Cyan (86%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (86%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8279, 0.2259, 0.3263 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 77.8279, 0.2259, 0.3263 by changing the saturation by 10% instead.

 77.8279, 0.2259,
0.3263

 77.8279, 0.2259,
0.3263


487.5822, 0.2643,
0.3289


 57.9326, 0.2176,
0.3254


 130.3075, 0.2388,
0.3274


 41.7545, 0.2076,
0.3242


 163.6606, 0.2440,
0.3278

 28.9091, 0.1953,
0.3225


 202.2684, 0.2485,
0.3281

 19.0121, 0.1799,
0.3198

 246.5153, 0.2524,
0.3283

 11.6790, 0.1603,
0.3157

296.7858, 0.2559,
0.3285

 6.5255, 0.1345,
0.3087

353.4641, 0.2590,

 3.1672, 0.1000,

0.3286

0.2959

416.9348, 0.2618,
0.3288

■ 1.2196, 0.0001,
0.2851

■ 0.0776, 0.0000,
0.0646

■ 77.8279, 0.2259,
0.3263

■ 77.8279, 0.2259,
0.3263

■ 77.3815, 0.2242,
0.3260

■ 78.6015, 0.2292,
0.3266

■ 77.2603, 0.2239,
0.3259

■ 79.7579, 0.2345,
0.3270

■ 81.3466, 0.2417,
0.3273

■ 83.4088, 0.2508,
0.3276

85.9810, 0.2617,
0.3279

89.0958, 0.2743,
0.3282

92.7835, 0.2882,
0.3285

97.0718, 0.3032,
0.3288

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.



77.8279, 0.2637, 0.3842



77.8279, 0.2259, 0.3263



77.8279, 0.2107, 0.2763

Triad

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



77.8279, 0.2259, 0.3263



77.8279, 0.3002, 0.2522



77.8279, 0.4125, 0.4062

Complementary

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



77.8279, 0.2259, 0.3263



22.7334, 0.6142, 0.3307

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.



77.8279, 0.4266, 0.3656



77.8279, 0.2259, 0.3263



77.8279, 0.3585, 0.2812

Square

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



77.8279, 0.2259, 0.3263



77.8279, 0.2503, 0.2395



77.8279, 0.4066, 0.3212



77.8279, 0.3715, 0.4310

Rectangle

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



77.8279, 0.2259, 0.3263



77.8279, 0.2138, 0.2541



77.8279, 0.4066, 0.3212



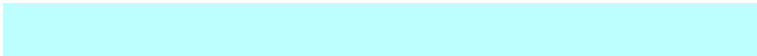
77.8279, 0.4208, 0.3937

Sweetspot

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



77.8294, 0.2259, 0.3263



89.1340, 0.2745, 0.3282



72.0084, 0.3005, 0.5885



18.8334, 0.2699, 0.3281



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.



77.8294, 0.2259, 0.3263



77.2603, 0.2239, 0.3259



27.8986, 0.1862, 0.1797



20.4512, 0.2980, 0.3287



40.3833, 0.2239, 0.3260



3.9408, 0.2240, 0.3263

Inverse Universe

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



29.5778, 0.3227, 0.1602



28.3306, 0.3233, 0.1554



41.6979, 0.5153, 0.4155



18.2974, 0.3140, 0.3058



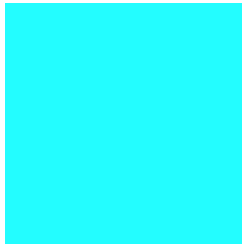
14.8047, 0.3232, 0.1554



1.4424, 0.3229, 0.1553

Previews

White Background



This preview shows how the Yxy color 77.8279, 0.2259, 0.3263 looks on a white background.

Color Contrast Check

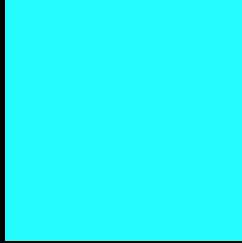
Large Text (above 18pt) WCAG AA × Fail

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 77.8279, 0.2259, 0.3263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

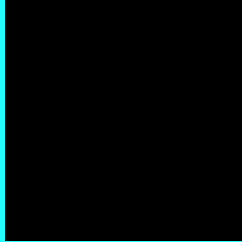
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

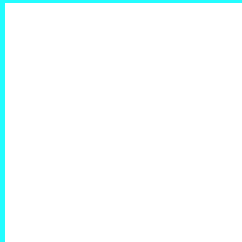
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8279, 0.2259, 0.3263

Background



This preview shows how black text looks on a background with the Yxy color 77.8279, 0.2259, 0.3263.

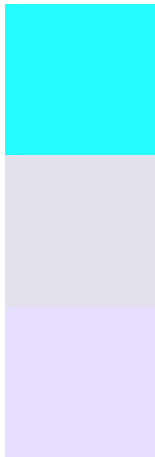


This preview shows how white text looks on a background with the Yxy color 77.8279, 0.2259, 0.3263.

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

77.8279, 0.2259, 0.3263

Protanopia

76.3544, 0.3058, 0.3154

Deuteranopia

76.2855, 0.2973, 0.2953



Tritanopia

77.3036, 0.2542, 0.3141

Trichromacy



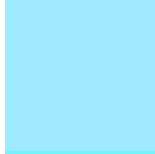
Original Color

77.8279, 0.2259, 0.3263



Protanomaly

73.1164, 0.2611, 0.3185



Deuteranomaly

72.8688, 0.2564, 0.3039



Tritanomaly

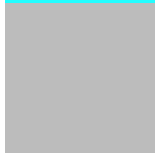
76.3827, 0.2388, 0.3182

Monochromacy



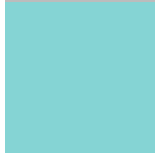
Original Color

77.8279, 0.2259, 0.3263



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.8270, 0.2610, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8279, 0.2259, 0.3263 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(35, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(35, 253, 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(35, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.8279, 0.2259, 0.3263 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(35, 253, 255) }
```

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

```
.border{ border-color:rgb(35, 253, 255) }
```

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

Here you see how a box with a 4 pixel rgb(35, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(35, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8279, 0.2259, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 253, 255) }
```

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

```
.background{ background-color: rgb(35, 253,  
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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