

Converting Colors

$Yxy(77.3215, 0.2334, 0.3223)$

Have a look what the booklet for
Yxy(77.3215, 0.2334, 0.3223)
contains.

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Color

Yxy(77.6175, 0.2336, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	57FAFF
RGB	87, 250, 255
RGB Percent	34%, 98%, 100%
CMY	0.6594, 0.0195, 0.0001
CMYK	0.66, 0.02, 0.00, 0.00
HSL	182°, 100%, 67%
HSV	182°, 66%, 100%
XYZ	56.1519, 77.6175, 106.6069
YIQ	201.8330, -98.7530, -33.0010

Conversions

Conversions Part 2

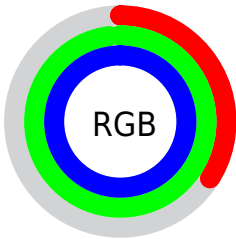
Format	Color
RYB	87, 170, 255
Decimal	5765887
CIELab	90.61, -39.96, -14.79
CIElCh	91, 42.610, 200.317
Yxy	77.6175, 0.2336, 0.3229
Android (android.graphics.Color)	4283955967 (0xFF57FAFF)
YUV	201.8330, 26.2113, -100.7085
Hunter-Lab	88.1008, -40.4077, -10.0737

Details

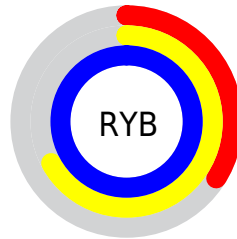
The Yxy color **77.6175, 0.2336, 0.3229** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **29.5625, 0.5280, 0.3339**, and the grayscale version is **58.8094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **42.2171, 0.2225, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **76.1384, 0.2281, 0.3219**, and if you desaturate by 10%, it is **79.5372, 0.2411, 0.3239**.

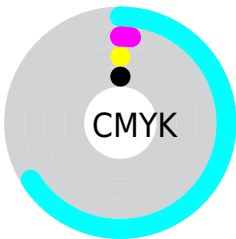
Distribution



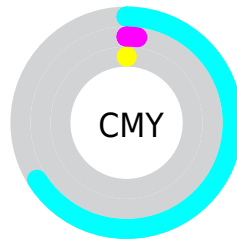
- Red (34%)
- Green (98%)
- Blue (100%)



- Red (34%)
- Yellow (67%)
- Blue (100%)



- Cyan (66%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6175, 0.2336, 0.3229 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 77.6175, 0.2336, 0.3229 by changing the saturation by 10% instead.


 77.6175, 0.2336,
0.3229

 77.6175, 0.2336,
0.3229

486.8668, 0.2687,
0.3268


 57.7598, 0.2260,
0.3218


 130.0108, 0.2455,
0.3244


 41.6156, 0.2167,
0.3203


 163.3152, 0.2502,
0.3250

 28.8004, 0.2054,
0.3182


 201.8706, 0.2543,
0.3254

 18.9299, 0.1911,
0.3152

 246.0614, 0.2579,
0.3258

 11.6196, 0.1727,
0.3107

296.2721, 0.2610,
0.3261

 6.4852, 0.1482,
0.3034

352.8869, 0.2639,

 3.1423, 0.1149,

0.3264

0.2904

416.2904, 0.2664,
0.3266

■ 1.2065, 0.0320,
0.2751

■ 0.0670, 0.0000,
0.0567

■ 77.6175, 0.2336,
0.3229

■ 77.6175, 0.2336,
0.3229

■ 76.1384, 0.2281,
0.3219

■ 79.5372, 0.2411,
0.3239

■ 75.0431, 0.2245,
0.3209

■ 81.9297, 0.2505,
0.3249

■ 74.2749, 0.2226,
0.3200

■ 84.8343, 0.2617,
0.3259

■ 74.0205, 0.2221,
0.3196

■ 88.2838, 0.2744,
0.3268

■ 92.3080, 0.2884,
0.3277

■ 96.9350, 0.3035,
0.3285

■ 99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



77.6175, 0.2661, 0.3732



77.6175, 0.2336, 0.3229



77.6175, 0.2215, 0.2799

Triad

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



77.6175, 0.2336, 0.3229



77.6175, 0.3063, 0.2620



77.6175, 0.3990, 0.4007

Complementary

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



77.6175, 0.2336, 0.3229



29.5625, 0.5280, 0.3339

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.



77.6175, 0.4132, 0.3659



77.6175, 0.2336, 0.3229



77.6175, 0.3574, 0.2893

Square

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



77.6175, 0.2336, 0.3229



77.6175, 0.2607, 0.2494



77.6175, 0.3980, 0.3260



77.6175, 0.3615, 0.4196

Rectangle

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



77.6175, 0.2336, 0.3229



77.6175, 0.2255, 0.2609



77.6175, 0.3980, 0.3260



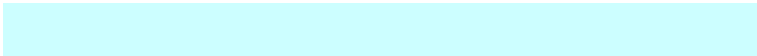
77.6175, 0.4068, 0.3902

Sweetspot

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



77.6204, 0.2336, 0.3229



90.6219, 0.2826, 0.3274



74.2553, 0.3018, 0.5401



19.1564, 0.2787, 0.3271



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.



77.6204, 0.2336, 0.3229



75.7814, 0.2268, 0.3216



37.2846, 0.2078, 0.2153



20.3841, 0.2980, 0.3282



38.7273, 0.2222, 0.3197



3.7985, 0.2225, 0.3208

Inverse Universe

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



34.9514, 0.3244, 0.1832



30.7000, 0.3263, 0.1679



52.1037, 0.4601, 0.4131



18.2906, 0.3143, 0.3063



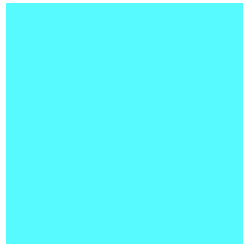
14.6375, 0.3284, 0.1583



1.4280, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 77.6175, 0.2336, 0.3229 looks on a white background.

Color Contrast Check

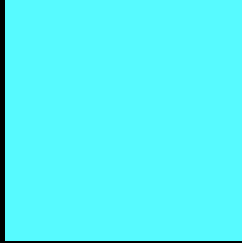
Large Text (above 18pt) WCAG AA × Fail

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 77.6175, 0.2336, 0.3229 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 77.6175, 0.2336, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 77.6175, 0.2336, 0.3229.

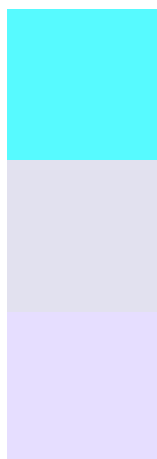


This preview shows how white text looks on a background with the Yxy color 77.6175, 0.2336, 0.3229.

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

77.6175, 0.2336, 0.3229

Protanopia

76.2512, 0.3045, 0.3143

Deuteranopia

76.2855, 0.2973, 0.2953



Tritanopia

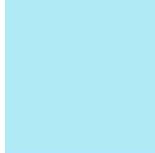
77.0006, 0.2554, 0.3130

Trichromacy



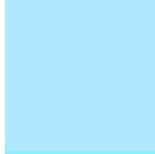
Original Color

77.6175, 0.2336, 0.3229



Protanomaly

74.5522, 0.2699, 0.3165



Deuteranomaly

74.3982, 0.2662, 0.3034



Tritanomaly

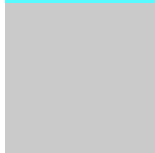
76.6672, 0.2458, 0.3161

Monochromacy



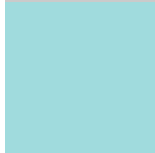
Original Color

77.6175, 0.2336, 0.3229



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.3571, 0.2725, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6175, 0.2336, 0.3229 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(87, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.6175, 0.2336, 0.3229 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(87, 250, 255) }
```

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

```
.border{ border-color:rgb(87, 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(87, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6175, 0.2336, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 250, 255) }
```

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

```
.background{ background-color: rgb(87, 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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