

Converting Colors

$Yxy(77.8620, 0.2390, 0.3287)$

Have a look what the booklet for
Yxy(77.8620, 0.2390, 0.3287)
contains.

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Color

Yxy(77.9827, 0.2390, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	64FAFA
RGB	100, 250, 250
RGB Percent	39%, 98%, 98%
CMY	0.6084, 0.0195, 0.0196
CMYK	0.60, 0.00, 0.00, 0.02
HSL	180°, 94%, 69%
HSV	180°, 60%, 98%
XYZ	56.6845, 77.9827, 102.5065
YIQ	205.1500, -89.4000, -31.8000

Conversions

Conversions Part 2

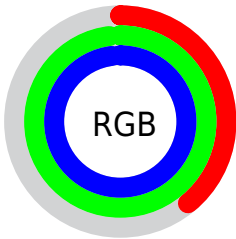
Format	Color
RYB	100, 175, 250
Decimal	6617850
CIELab	90.77, -39.36, -11.93
CIELCh	91, 41.124, 196.860
Yxy	77.9827, 0.2390, 0.3288
Android (android.graphics.Color)	4284807930 (0xFF64FAFA)
YUV	205.1500, 22.1110, -92.2166
Hunter-Lab	88.3078, -39.9601, -7.0075

Details

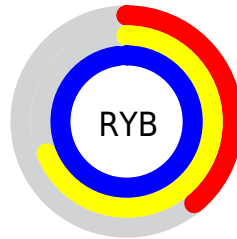
The Yxy color **77.9827, 0.2390, 0.3288** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **30.3331, 0.5027, 0.3295**, and the grayscale version is **61.0290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.0350, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **76.7742, 0.2327, 0.3288**, and if you desaturate by 10%, it is **79.6341, 0.2473, 0.3288**.

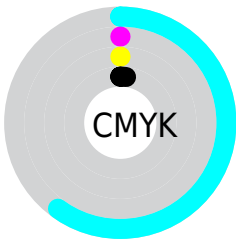
Distribution



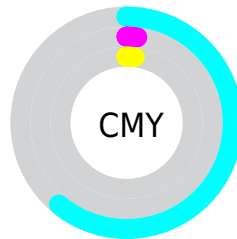
- Red (39%)
- Green (98%)
- Blue (98%)



- Red (39%)
- Yellow (69%)
- Blue (98%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (61%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9827, 0.2390, 0.3288 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 77.9827, 0.2390, 0.3288 by changing the saturation by 10% instead.

 77.9827, 0.2390,
0.3288

 77.9827, 0.2390,
0.3288


488.1081, 0.2718,
0.3298


 58.0598, 0.2318,
0.3284


 130.5257, 0.2501,
0.3293

 41.8567, 0.2231,
0.3277


 163.9146, 0.2545,
0.3295

 28.9891, 0.2124,
0.3267


 202.5610, 0.2584,
0.3296

 19.0726, 0.1988,
0.3252

246.8491, 0.2617,
0.3297

 11.7227, 0.1812,
0.3227

297.1635, 0.2647,
0.3297

 6.5552, 0.1577,
0.3182


353.8886, 0.2673,


 3.1855, 0.1250,

0.3298

0.3096

417.4086, 0.2697,
0.3298


 1.2293, 0.0424,
0.3021


 0.0855, 0.0000,
0.0844


 77.9827, 0.2390,
0.3288


 77.9827, 0.2390,
0.3288


 76.7742, 0.2327,
0.3288


 79.6341, 0.2473,
0.3288

 75.9583, 0.2283,
0.3288


 81.7559, 0.2574,
0.3289

 75.4885, 0.2258,
0.3288


 84.3834, 0.2693,
0.3289


 75.2835, 0.2247,
0.3288

 87.5463, 0.2827,
0.3289

 91.2719, 0.2972,
0.3290

 95.5858, 0.3126,
0.3290

 96.5453, 0.3159,
0.3290

 96.5455, 0.3159,
0.3290

 96.5457, 0.3159,
0.3290

Harmonies

Analogous

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



77.9827, 0.2725, 0.3767



77.9827, 0.2390, 0.3288



77.9827, 0.2248, 0.2858

Triad

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



77.9827, 0.2390, 0.3288



77.9827, 0.3010, 0.2620



77.9827, 0.3989, 0.3951

Complementary

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



77.9827, 0.2390, 0.3288



30.3331, 0.5027, 0.3295

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.



77.9827, 0.4094, 0.3605



77.9827, 0.2390, 0.3288



77.9827, 0.3504, 0.2870

Square

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



77.9827, 0.2390, 0.3288



77.9827, 0.2583, 0.2517



77.9827, 0.3914, 0.3219



77.9827, 0.3649, 0.4153

Rectangle

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



77.9827, 0.2390, 0.3288



77.9827, 0.2270, 0.2659



77.9827, 0.3914, 0.3219



77.9827, 0.4054, 0.3846

Sweetspot

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



77.9857, 0.2390, 0.3288



92.3096, 0.2855, 0.3289



72.1456, 0.3046, 0.5232



19.5316, 0.2814, 0.3289



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.



77.9857, 0.2390, 0.3288



80.0935, 0.2317, 0.3288



41.2242, 0.2178, 0.2343



19.6086, 0.2980, 0.3290



39.9265, 0.2247, 0.3288



3.6979, 0.2247, 0.3288

Inverse Universe

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



30.3331, 0.5027, 0.3295



26.2779, 0.5605, 0.3297



50.9165, 0.4477, 0.4030



17.2253, 0.3294, 0.3290



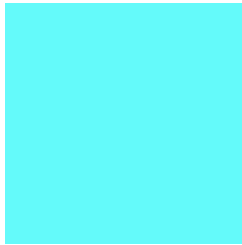
10.7805, 0.6401, 0.3300



0.9985, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 77.9827, 0.2390, 0.3288 looks on a white background.

Color Contrast Check

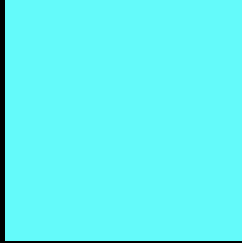
Large Text (above 18pt) WCAG AA × Fail

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 77.9827, 0.2390, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

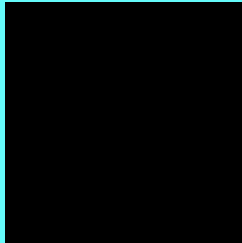
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9827, 0.2390, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 77.9827, 0.2390, 0.3288.

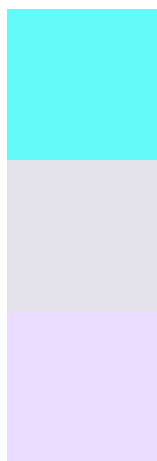


This preview shows how white text looks on a background with the Yxy color 77.9827, 0.2390, 0.3288.

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

77.9827, 0.2390, 0.3288

Protanopia

76.8849, 0.3083, 0.3196

Deuteranopia

76.5951, 0.3006, 0.2946



Tritanopia

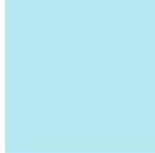
77.5015, 0.2578, 0.3131

Trichromacy



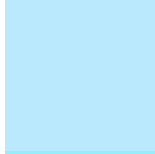
Original Color

77.9827, 0.2390, 0.3288



Protanomaly

75.5317, 0.2760, 0.3233



Deuteranomaly

75.2442, 0.2717, 0.3059



Tritanomaly

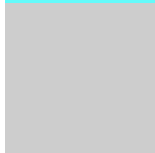
77.1116, 0.2494, 0.3185

Monochromacy



Original Color

77.9827, 0.2390, 0.3288



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.1489, 0.2769, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9827, 0.2390, 0.3288 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(100, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(100, 250, 250)  
}
```

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(100, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 250, 250) }
```

Border

The CSS property to change the border of an element to Yxy 77.9827, 0.2390, 0.3288 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(100, 250, 250) }
```

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

```
.border{ border-color:rgb(100, 250, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 250, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 250, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 250, 250);  
box-shadow:4px 4px 4px 4px rgb(100, 250,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9827, 0.2390, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 250, 250) }
```

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

```
.background{ background-color: rgb(100,  
250, 250) }
```

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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