

Converting Colors

$Yxy(76.8511, 0.2332, 0.3288)$

Have a look what the booklet for
Yxy(76.8511, 0.2332, 0.3288)
contains.

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Color

Yxy(76.8511, 0.2332, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	4DFAFA
RGB	77, 250, 250
RGB Percent	30%, 98%, 98%
CMY	0.6974, 0.0196, 0.0197
CMYK	0.69, 0.00, 0.00, 0.02
HSL	180°, 95%, 64%
HSV	180°, 69%, 98%
XYZ	54.5063, 76.8511, 102.3746
YIQ	198.2730, -103.1080, -36.6760

Conversions

Conversions Part 2

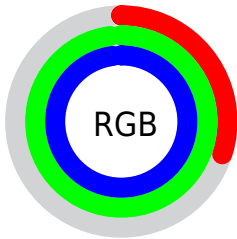
Format	Color
RYB	77, 164, 250
Decimal	5110522
CIELab	90.25, -42.58, -12.74
CIELCh	90, 44.446, 196.654
Yxy	76.8511, 0.2332, 0.3288
Android (android.graphics.Color)	4283300602 (0xFF4DFAFA)
YUV	198.2730, 25.5014, -106.3564
Hunter-Lab	87.6648, -42.4294, -7.8734

Details

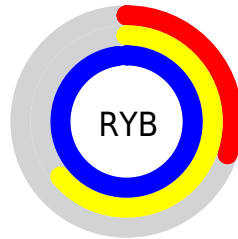
The Yxy color **76.8511, 0.2332, 0.3288** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.1929, 0.5467, 0.3297**, and the grayscale version is **56.5632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **42.0350, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **76.0035, 0.2287, 0.3288**, and if you desaturate by 10%, it is **78.1040, 0.2397, 0.3288**.

Distribution



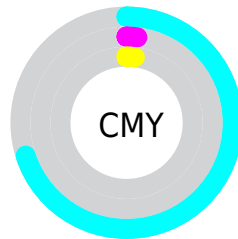
- Red (30%)
- Green (98%)
- Blue (98%)



- Red (30%)
- Yellow (64%)
- Blue (98%)



- Cyan (69%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)





- Cyan (70%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8511, 0.2332, 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 76.8511, 0.2332, 0.3288 by changing the saturation by 10% instead.


 76.8511, 0.2332,
0.3288


 76.8511, 0.2332,
0.3288


484.2562, 0.2686,
0.3300

 57.1307, 0.2255,
0.3283


 128.9293, 0.2452,
0.3294


 41.1102, 0.2161,
0.3275


 162.0558, 0.2499,
0.3296

 28.4052, 0.2046,
0.3264


 200.4198, 0.2541,
0.3297

 18.6313, 0.1901,
0.3246

 244.4058, 0.2577,
0.3298

 11.4042, 0.1713,
0.3216

294.3980, 0.2609,
0.3299

 6.3394, 0.1463,
0.3164


350.7808, 0.2638,


 3.0525, 0.1121,


0.3299


0.3062


413.9388, 0.2663,
0.3300


 1.1592, 0.0102,
0.3008


 0.0280, 0.0000,
0.0295


 76.8511, 0.2332,
0.3288


 76.8511, 0.2332,
0.3288

 76.0035, 0.2287,
0.3288


 78.1040, 0.2397,
0.3288

 75.5041, 0.2260,
0.3288


 79.7945, 0.2481,
0.3288

 75.2825, 0.2247,
0.3288


 81.9614, 0.2585,
0.3289


 75.2685, 0.2247,
0.3288


 84.6368, 0.2705,
0.3289

 87.8501, 0.2840,
0.3289

 91.6284, 0.2986,
0.3290

 95.9971, 0.3141,
0.3290

 96.5315, 0.3159,
0.3290

 96.5318, 0.3159,
0.3290

Harmonies

Analogous

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



76.8511, 0.2692, 0.3814



76.8511, 0.2332, 0.3288



76.8511, 0.2180, 0.2820

Triad

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



76.8511, 0.2332, 0.3288



76.8511, 0.2994, 0.2568



76.8511, 0.4061, 0.3998

Complementary

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



76.8511, 0.2332, 0.3288



26.1929, 0.5467, 0.3297

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.



76.8511, 0.4176, 0.3621



76.8511, 0.2332, 0.3288



76.8511, 0.3531, 0.2834

Square

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



76.8511, 0.2332, 0.3288



76.8511, 0.2535, 0.2457



76.8511, 0.3980, 0.3207



76.8511, 0.3692, 0.4227

Rectangle

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



76.8511, 0.2332, 0.3288



76.8511, 0.2203, 0.2607



76.8511, 0.3980, 0.3207



76.8511, 0.4133, 0.3883

Sweetspot

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



76.8540, 0.2332, 0.3288



91.2194, 0.2813, 0.3289



70.6149, 0.3032, 0.5513



19.3200, 0.2775, 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.



76.8540, 0.2332, 0.3288



79.2588, 0.2274, 0.3288



35.9271, 0.2057, 0.2170



19.6086, 0.2980, 0.3290



39.9259, 0.2247, 0.3288



3.6978, 0.2247, 0.3288

Inverse Universe

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



26.1929, 0.5467, 0.3297



23.1906, 0.6053, 0.3299



46.2467, 0.4737, 0.4097



17.2253, 0.3294, 0.3290



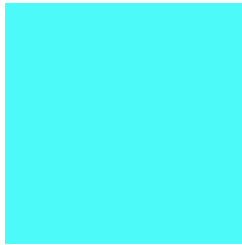
10.7806, 0.6401, 0.3300



0.9985, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 76.8511, 0.2332, 0.3288 looks on a white background.

Color Contrast Check

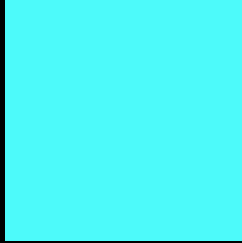
Large Text (above 18pt) WCAG AA × Fail

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 76.8511, 0.2332, 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 76.8511, 0.2332, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 76.8511, 0.2332, 0.3288.

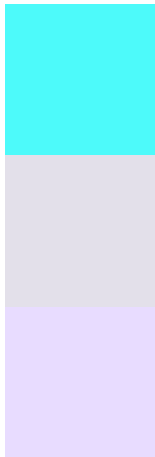


This preview shows how white text looks on a background with the Yxy color 76.8511, 0.2332, 0.3288.

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

76.8511, 0.2332, 0.3288

Protanopia

75.5827, 0.3084, 0.3185

Deuteranopia

75.5622, 0.2986, 0.2933



Tritanopia

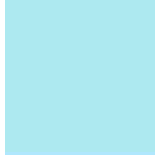
76.4265, 0.2527, 0.3129

Trichromacy



Original Color

76.8511, 0.2332, 0.3288



Protanomaly

73.4533, 0.2713, 0.3209



Deuteranomaly

73.4738, 0.2660, 0.3044



Tritanomaly

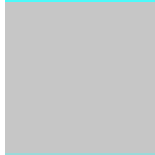
75.9308, 0.2436, 0.3183

Monochromacy



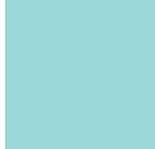
Original Color

76.8511, 0.2332, 0.3288



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.5055, 0.2709, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8511, 0.2332, 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(77, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 250, 250) }
```

Border

The CSS property to change the border of an element to Yxy 76.8511, 0.2332, 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(77, 250, 250) }
```

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

```
.border{ border-color:rgb(77, 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(77, 250, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 250, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 250, 250);  
box-shadow:4px 4px 4px 4px rgb(77, 250,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8511, 0.2332, 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(77, 250, 250) }
```

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

```
.background{ background-color: rgb(77, 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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