

Converting Colors

$Y_{xy}(80.6480, 0.2220, 0.2965)$

Have a look what the booklet for
Yxy(80.6480, 0.2220, 0.2965)
contains.

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Color

Yxy(78.8483, 0.2312, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	48FDFF
RGB	72, 253, 255
RGB Percent	28%, 99%, 100%
CMY	0.7172, 0.0078, 0.0001
CMYK	0.72, 0.01, 0.00, 0.00
HSL	181°, 100%, 64%
HSV	181°, 72%, 100%
XYZ	55.8509, 78.8483, 106.8704
YIQ	199.1090, -108.5180, -37.7500

Conversions

Conversions Part 2

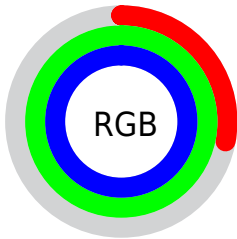
Format	Color
RYB	72, 163, 255
Decimal	4783615
CIELab	91.17, -43.13, -13.99
CIELCh	91, 45.340, 197.975
Yxy	78.8483, 0.2312, 0.3264
Android (android.graphics.Color)	4282973695 (0xFF48FDFF)
YUV	199.1090, 27.5543, -111.4746
Hunter-Lab	88.7966, -43.1218, -9.2004

Details

The Yxy color **78.8483, 0.2312, 0.3264** 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 **26.6363, 0.5578, 0.3312**, and the grayscale version is **57.0801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **43.5571, 0.2238, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **77.8898, 0.2270, 0.3260**, and if you desaturate by 10%, it is **80.2192, 0.2373, 0.3268**.

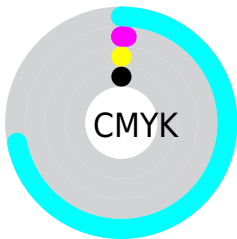
Distribution



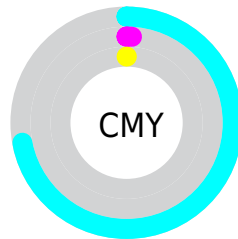
- Red (28%)
- Green (99%)
- Blue (100%)



- Red (28%)
- Yellow (64%)
- Blue (100%)



- Cyan (72%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8483, 0.2312, 0.3264 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 78.8483, 0.2312, 0.3264 by changing the saturation by 10% instead.


 78.8483, 0.2312,
0.3264


 78.8483, 0.2312,
0.3264

491.0430, 0.2673,
0.3287


 58.7711, 0.2234,
0.3256


 131.7453, 0.2434,
0.3274


 42.4289, 0.2140,
0.3245


 165.3338, 0.2482,
0.3278

 29.4373, 0.2024,
0.3230


 204.1950, 0.2524,
0.3280

 19.4118, 0.1878,
0.3206

 248.7131, 0.2561,
0.3282

 11.9682, 0.1691,
0.3169

299.2725, 0.2594,
0.3284

 6.7221, 0.1445,
0.3108

356.2577, 0.2623,

 3.2889, 0.1111,

0.3285

0.2994

420.0531, 0.2649,
0.3287

■ 1.2844, 0.0273,
0.2873

■ 0.1290, 0.0000,
0.1027

■ 78.8483, 0.2312,
0.3264

■ 78.8483, 0.2312,
0.3264

■ 77.8898, 0.2270,
0.3260

■ 80.2192, 0.2373,
0.3268

■ 77.2809, 0.2247,
0.3257

■ 82.0383, 0.2454,
0.3272

■ 76.9760, 0.2237,
0.3254

■ 84.3474, 0.2554,
0.3275

■ 87.1811, 0.2671,
0.3279

■ 90.5711, 0.2803,
0.3283

■ 94.5464, 0.2947,
0.3286

■ 99.1340, 0.3100,
0.3289

■ 99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



78.8483, 0.2667, 0.3799



78.8483, 0.2312, 0.3264



78.8483, 0.2169, 0.2798

Triad

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



78.8483, 0.2312, 0.3264



78.8483, 0.3016, 0.2569



78.8483, 0.4059, 0.4019

Complementary

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



78.8483, 0.2312, 0.3264



26.6363, 0.5578, 0.3312

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.



78.8483, 0.4190, 0.3642



78.8483, 0.2312, 0.3264



78.8483, 0.3559, 0.2844

Square

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



78.8483, 0.2312, 0.3264



78.8483, 0.2546, 0.2449



78.8483, 0.4005, 0.3224



78.8483, 0.3677, 0.4242

Rectangle

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



78.8483, 0.2312, 0.3264



78.8483, 0.2199, 0.2589



78.8483, 0.4005, 0.3224



78.8483, 0.4136, 0.3904

Sweetspot

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



78.8513, 0.2312, 0.3264



90.4802, 0.2799, 0.3283



73.3623, 0.3019, 0.5592



19.1585, 0.2762, 0.3282



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.



78.8513, 0.2312, 0.3264



77.5992, 0.2258, 0.3259



34.9893, 0.2014, 0.2077



20.4456, 0.2980, 0.3287



40.2421, 0.2237, 0.3254



3.9287, 0.2239, 0.3258

Inverse Universe

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



32.9975, 0.3220, 0.1733



29.5712, 0.3230, 0.1605



48.1151, 0.4784, 0.4140



18.2968, 0.3140, 0.3058



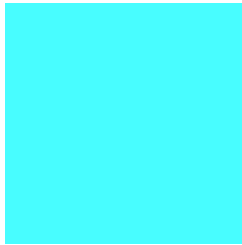
14.7904, 0.3236, 0.1557



1.4412, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 78.8483, 0.2312, 0.3264 looks on a white background.

Color Contrast Check

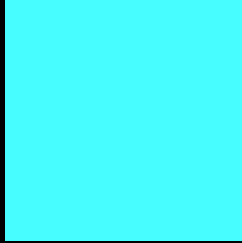
Large Text (above 18pt) WCAG AA × Fail

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 78.8483, 0.2312, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

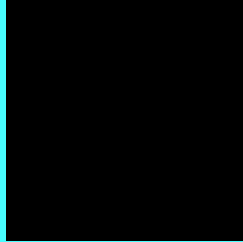
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8483, 0.2312, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 78.8483, 0.2312, 0.3264.

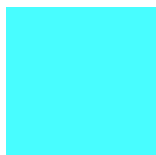


This preview shows how white text looks on a background with the Yxy color 78.8483, 0.2312, 0.3264.

Color Blindness Simulation

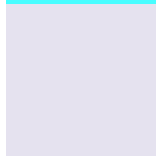
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



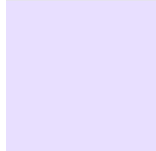
Original Color

78.8483, 0.2312, 0.3264



Protanopia

77.2827, 0.3065, 0.3154



Deuteranopia

77.1512, 0.2986, 0.2964



Tritanopia

78.0952, 0.2579, 0.3143

Trichromacy



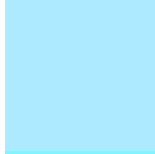
Original Color

78.8483, 0.2312, 0.3264



Protanomaly

75.3541, 0.2685, 0.3187



Deuteranomaly

75.0643, 0.2643, 0.3056



Tritanomaly

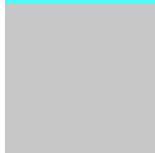
77.6436, 0.2451, 0.3184

Monochromacy



Original Color

78.8483, 0.2312, 0.3264



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.5498, 0.2695, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8483, 0.2312, 0.3264 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(72, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.8483, 0.2312, 0.3264 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(72, 253, 255) }
```

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

```
.border{ border-color:rgb(72, 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(72, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(72, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8483, 0.2312, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 253, 255) }
```

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

```
.background{ background-color: rgb(72, 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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