

Converting Colors

$Yxy(78.5801, 0.2324, 0.3254)$

Have a look what the booklet for
Yxy(78.5801, 0.2324, 0.3254)
contains.

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Color

Yxy(78.5031, 0.2323, 0.3252)

Conversions

Conversions Part 1

Format	Color
Hex	4FFCFF
RGB	79, 252, 255
RGB Percent	31%, 99%, 100%
CMY	0.6908, 0.0117, 0.0000
CMYK	0.69, 0.01, 0.00, 0.00
HSL	181°, 100%, 65%
HSV	181°, 69%, 100%
XYZ	56.0771, 78.5031, 106.8193
YIQ	200.6150, -104.0710, -35.7430

Conversions

Conversions Part 2

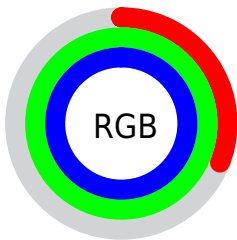
Format	Color
RYB	79, 166, 255
Decimal	5242111
CIELab	91.01, -41.89, -14.23
CIElCh	91, 44.238, 198.764
Yxy	78.5031, 0.2323, 0.3252
Android (android.graphics.Color)	4283432191 (0xFF4FFCFF)
YUV	200.6150, 26.8118, -106.6564
Hunter-Lab	88.6020, -42.0790, -9.4591

Details

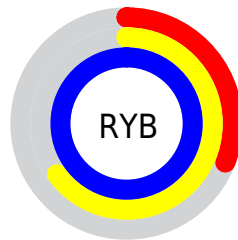
The Yxy color **78.5031, 0.2323, 0.3252** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.8322, 0.5446, 0.3321**, and the grayscale version is **58.0126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **43.1074, 0.2234, 0.3241** is the 20% darker color. If you saturate the color by 10%, you get **77.3441, 0.2276, 0.3246**, and if you desaturate by 10%, it is **80.0849, 0.2390, 0.3258**.

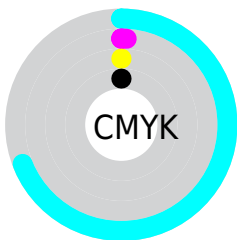
Distribution



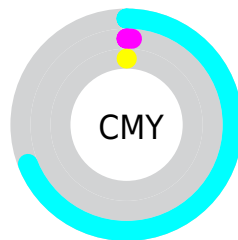
- Red (31%)
- Green (99%)
- Blue (100%)



- Red (31%)
- Yellow (65%)
- Blue (100%)



- Cyan (69%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5031, 0.2323, 0.3252 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 78.5031, 0.2323, 0.3252 by changing the saturation by 10% instead.


 78.5031, 0.2323,
0.3252


 78.5031, 0.2323,
0.3252


489.8737, 0.2679,
0.3281

 58.4874, 0.2246,
0.3243


 131.2591, 0.2443,
0.3264


 42.2006, 0.2152,
0.3231


 164.7681, 0.2491,
0.3268

 29.2584, 0.2038,
0.3213


 203.5437, 0.2533,
0.3271

 19.2764, 0.1894,
0.3188

 247.9702, 0.2569,
0.3274

 11.8701, 0.1708,
0.3149

298.4321, 0.2601,
0.3276

 6.6553, 0.1463,
0.3083


355.3137, 0.2630,


 3.2475, 0.1130,


0.3278


0.2965


418.9995, 0.2656,
0.3279


 1.2623, 0.0305,
0.2832


 0.1117, 0.0000,
0.0903


 78.5031, 0.2323,
0.3252


 78.5031, 0.2323,
0.3252


 77.3441, 0.2276,
0.3246


 80.0849, 0.2390,
0.3258


 76.5518, 0.2247,
0.3241

 82.1274, 0.2477,
0.3264

 76.0522, 0.2233,
0.3235

 84.6698, 0.2582,
0.3270

 76.0121, 0.2232,
0.3235

 87.7459, 0.2704,
0.3275

■ 91.3866, 0.2840,
0.3281

■ 95.6204, 0.2987,
0.3286

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.



78.5031, 0.2667, 0.3774



78.5031, 0.2323, 0.3252



78.5031, 0.2188, 0.2800

Triad

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



78.5031, 0.2323, 0.3252



78.5031, 0.3033, 0.2589



78.5031, 0.4032, 0.4013

Complementary

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



78.5031, 0.2323, 0.3252



27.8322, 0.5446, 0.3321

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.



78.5031, 0.4166, 0.3647



78.5031, 0.2323, 0.3252



78.5031, 0.3563, 0.2863

Square

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



78.5031, 0.2323, 0.3252



78.5031, 0.2569, 0.2467



78.5031, 0.3993, 0.3237



78.5031, 0.3654, 0.4223

Rectangle

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



78.5031, 0.2323, 0.3252



78.5031, 0.2221, 0.2598



78.5031, 0.3993, 0.3237



78.5031, 0.4109, 0.3902

Sweetspot

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



78.5048, 0.2323, 0.3252



90.6420, 0.2812, 0.3280



73.7817, 0.3014, 0.5493



19.1802, 0.2774, 0.3278



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.



78.5048, 0.2323, 0.3252



76.9927, 0.2262, 0.3244



35.4227, 0.2036, 0.2089



20.4254, 0.2980, 0.3286



39.7421, 0.2232, 0.3236



3.8858, 0.2234, 0.3242

Inverse Universe

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



33.8594, 0.3228, 0.1774



30.0043, 0.3241, 0.1632



50.5195, 0.4686, 0.4154



18.2948, 0.3141, 0.3060



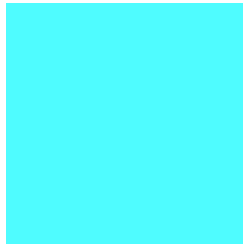
14.7400, 0.3252, 0.1565



1.4368, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 78.5031, 0.2323, 0.3252 looks on a white background.

Color Contrast Check

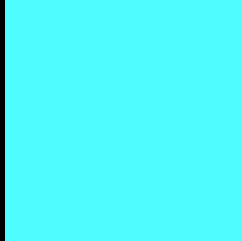
Large Text (above 18pt) WCAG AA × Fail

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 78.5031, 0.2323, 0.3252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

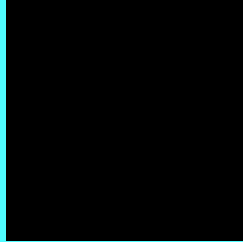
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5031, 0.2323, 0.3252

Background



This preview shows how black text looks on a background with the Yxy color 78.5031, 0.2323, 0.3252.

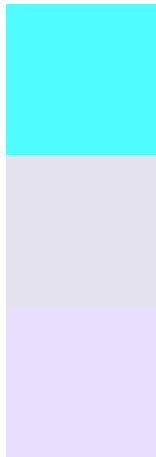


This preview shows how white text looks on a background with the Yxy color 78.5031, 0.2323, 0.3252.

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

78.5031, 0.2323, 0.3252

Protanopia

77.1187, 0.3058, 0.3154

Deuteranopia

77.1512, 0.2986, 0.2964



Tritanopia

77.9934, 0.2575, 0.3142

Trichromacy



Original Color

78.5031, 0.2323, 0.3252



Protanomaly

75.0079, 0.2695, 0.3176



Deuteranomaly

75.2957, 0.2654, 0.3056



Tritanomaly

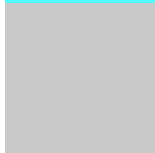
77.7987, 0.2458, 0.3184

Monochromacy



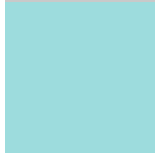
Original Color

78.5031, 0.2323, 0.3252



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.5750, 0.2708, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5031, 0.2323, 0.3252 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(79, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(79, 252, 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(79, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.5031, 0.2323, 0.3252 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(79, 252, 255) }
```

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

```
.border{ border-color:rgb(79, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 252,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5031, 0.2323, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 252, 255) }
```

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

```
.background{ background-color: rgb(79, 252,  
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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