

Converting Colors

$Y_{xy}(80.0899, 0.2529, 0.3460)$

Have a look what the booklet for
Yxy(80.0899, 0.2529, 0.3460)
contains.

Yxy(80.0203, 0.2529, 0.3465)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.0203, 0.2529, 0.3465)

Conversions

Conversions Part 1

Format	Color
Hex	7CFCED
RGB	124, 252, 237
RGB Percent	49%, 99%, 93%
CMY	0.5140, 0.0117, 0.0704
CMYK	0.51, 0.00, 0.06, 0.01
HSL	173°, 96%, 74%
HSV	173°, 51%, 99%
XYZ	58.4044, 80.0203, 92.5141
YIQ	212.0180, -71.4730, -31.8010

Conversions

Conversions Part 2

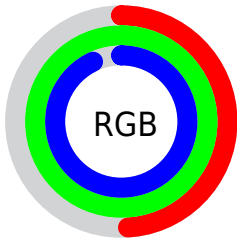
Format	Color
RYB	124, 192, 252
Decimal	8191213
CIELab	91.69, -39.12, -3.75
CIELCh	92, 39.296, 185.475
Yxy	80.0203, 0.2529, 0.3465
Android (android.graphics.Color)	4286381293 (0xFF7CFCED)
YUV	212.0180, 12.3161, -77.1918
Hunter-Lab	89.4541, -40.0022, 1.2997

Details

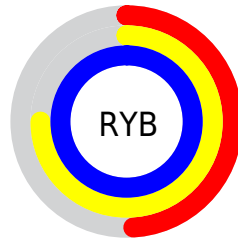
The Yxy color **80.0203, 0.2529, 0.3465** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.9560, 0.4417, 0.3139**, and the grayscale version is **65.7945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **43.2660, 0.2399, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **78.2101, 0.2456, 0.3505**, and if you desaturate by 10%, it is **82.3191, 0.2620, 0.3426**.

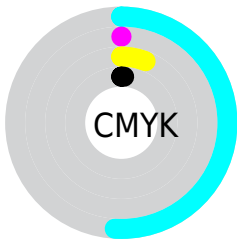
Distribution



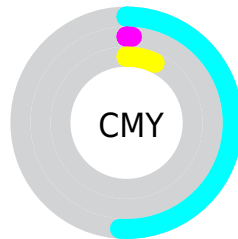
- Red (49%)
- Green (99%)
- Blue (93%)



- Red (49%)
- Yellow (75%)
- Blue (99%)



- Cyan (51%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





- Cyan (51%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0203, 0.2529, 0.3465 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 80.0203, 0.2529, 0.3465 by changing the saturation by 10% instead.


 80.0203, 0.2529,
0.3465


 80.0203, 0.2529,
0.3465

495.0012, 0.2798,
0.3389


 59.7351, 0.2470,
0.3481

 133.3943, 0.2621,
0.3440

 43.2051, 0.2397,
0.3500


 167.2518, 0.2657,
0.3429

 30.0461, 0.2308,
0.3524


 206.4022, 0.2688,
0.3421

 19.8736, 0.2193,
0.3553

251.2299, 0.2715,
0.3413

 12.3032, 0.2042,
0.3590

302.1192, 0.2740,
0.3406

 6.9505, 0.1835,
0.3637

359.4546, 0.2761,

 3.4312, 0.1538,

0.3400

423.6205, 0.2780,
0.3394

0.3698

1.3608, 0.0788,
0.3893

0.1875, 0.0000,
0.2868

80.0203, 0.2529,
0.3465

80.0203, 0.2529,
0.3465

78.2101, 0.2456,
0.3505

82.3191, 0.2620,
0.3426

76.8419, 0.2402,
0.3546


85.1306, 0.2727,
0.3389

75.8758, 0.2368,
0.3587

88.4882, 0.2848,
0.3354


75.2607, 0.2352,
0.3628

92.4201, 0.2978,
0.3322

 74.9304, 0.2352,
0.3665

 96.9524, 0.3116,
0.3292

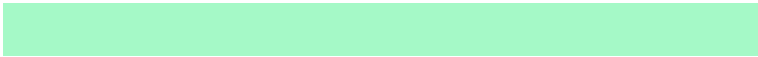
 98.0887, 0.3130,
0.3264

 98.1071, 0.3128,
0.3262

Harmonies

Analogous

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



80.0203, 0.2904, 0.3885



80.0203, 0.2529, 0.3465



80.0203, 0.2319, 0.3023

Triad

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



80.0203, 0.2529, 0.3465



80.0203, 0.2849, 0.2596



80.0203, 0.4012, 0.3806

Complementary

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



80.0203, 0.2529, 0.3465



36.9560, 0.4417, 0.3139

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.



80.0203, 0.4009, 0.3453



80.0203, 0.2529, 0.3465



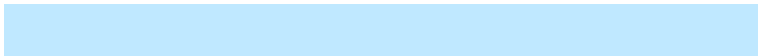
80.0203, 0.3308, 0.2786

Square

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



80.0203, 0.2529, 0.3465



80.0203, 0.2493, 0.2560



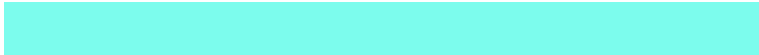
80.0203, 0.3744, 0.3090



80.0203, 0.3766, 0.4060

Rectangle

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



80.0203, 0.2529, 0.3465



80.0203, 0.2289, 0.2791



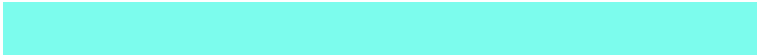
80.0203, 0.3744, 0.3090



80.0203, 0.4042, 0.3694

Sweetspot

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



80.0234, 0.2529, 0.3465



93.1687, 0.2922, 0.3335



76.7438, 0.3140, 0.4875



19.7603, 0.2895, 0.3342



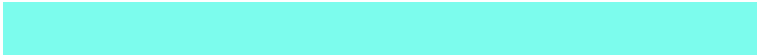
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0234, 0.2529, 0.3465



80.3016, 0.2454, 0.3506



54.9938, 0.2352, 0.2710



19.5716, 0.2996, 0.3318



39.0429, 0.2350, 0.3659



3.6256, 0.2336, 0.3610

Inverse Universe

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



36.9560, 0.4417, 0.3139



31.5685, 0.4846, 0.3123



51.2357, 0.4307, 0.3783



17.2582, 0.3276, 0.3263



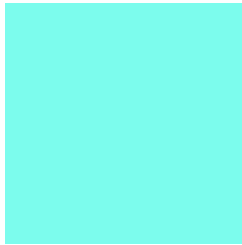
10.8387, 0.6260, 0.3222



1.0141, 0.6011, 0.3085

Previews

White Background



This preview shows how the Yxy color 80.0203, 0.2529, 0.3465 looks on a white background.

Color Contrast Check

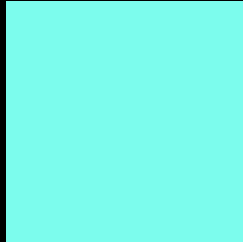
Large Text (above 18pt) WCAG AA × Fail

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 80.0203, 0.2529, 0.3465 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

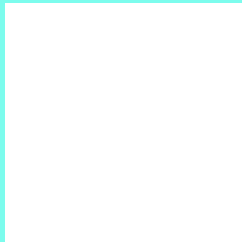
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0203, 0.2529, 0.3465

Background



This preview shows how black text looks on a background with the Yxy color 80.0203, 0.2529, 0.3465.

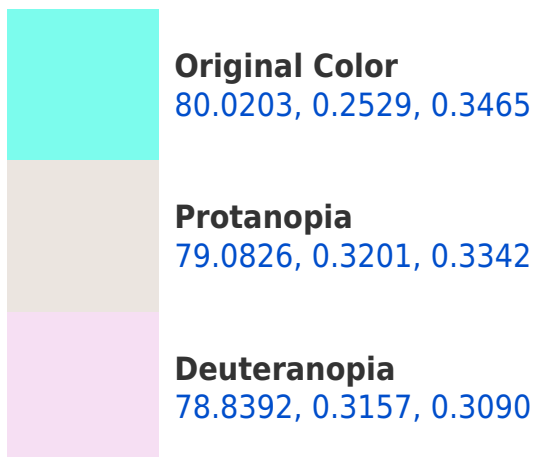


This preview shows how white text looks on a background with the Yxy color 80.0203, 0.2529, 0.3465.

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





Tritanopia

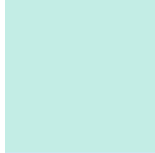
79.2446, 0.2658, 0.3135

Trichromacy



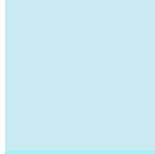
Original Color

80.0203, 0.2529, 0.3465



Protanomaly

77.8276, 0.2905, 0.3378



Deuteranomaly

77.7531, 0.2879, 0.3213



Tritanomaly

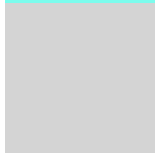
79.1500, 0.2603, 0.3254

Monochromacy



Original Color

80.0203, 0.2529, 0.3465



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.8619, 0.2853, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0203, 0.2529, 0.3465 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(124, 252, 237)` looks like.

```
.text, #text, p{  
    color:rgb(124, 252, 237)  
}
```

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(124, 252, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 252, 237) }
```

Border

The CSS property to change the border of an element to Yxy 80.0203, 0.2529, 0.3465 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(124, 252, 237) }
```

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

```
.border{ border-color:rgb(124, 252, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 252, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 252, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 252, 237);  
box-shadow:4px 4px 4px 4px rgb(124, 252,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0203, 0.2529, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 252, 237) }
```

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

```
.background{ background-color: rgb(124,  
252, 237) }
```

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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