

Converting Colors

$Y_{xy}(72.3025, 0.2537, 0.3831)$

Have a look what the booklet for
Yxy(72.3025, 0.2537, 0.3831)
contains.

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Color

Yxy(72.3459, 0.2536, 0.3832)

Conversions

Conversions Part 1

Format	Color
Hex	58F6CC
RGB	88, 246, 204
RGB Percent	35%, 96%, 80%
CMY	0.6550, 0.0353, 0.2000
CMYK	0.64, 0.00, 0.17, 0.04
HSL	164°, 90%, 65%
HSV	164°, 64%, 96%
XYZ	47.8782, 72.3459, 68.5700
YIQ	193.9700, -80.6860, -46.5580

Conversions

Conversions Part 2

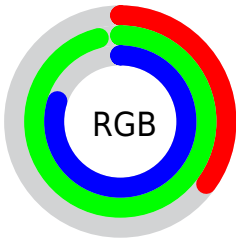
Format	Color
RYB	88, 179, 246
Decimal	5830348
CIELab	88.13, -51.02, 8.11
CIELCh	88, 51.663, 170.966
Yxy	72.3459, 0.2536, 0.3832
Android (android.graphics.Color)	4284020428 (0xFF58F6CC)
YUV	193.9700, 4.9448, -92.9357
Hunter-Lab	85.0564, -48.3712, 11.7416

Details

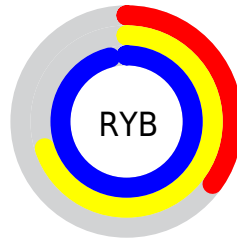
The Yxy color **72.3459, 0.2536, 0.3832** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **28.1818, 0.4652, 0.2880**, and the grayscale version is **53.9349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **38.5972, 0.2435, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **71.0370, 0.2500, 0.3933**, and if you desaturate by 10%, it is **74.0784, 0.2591, 0.3734**.

Distribution



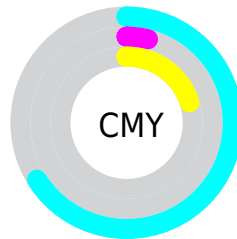
- Red (35%)
- Green (96%)
- Blue (80%)



- Red (35%)
- Yellow (70%)
- Blue (96%)



- Cyan (64%)
- Magenta (0%)
- Yellow (17%)
- Black (4%)





- Cyan (66%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3459, 0.2536, 0.3832 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 72.3459, 0.2536, 0.3832 by changing the saturation by 10% instead.


 72.3459, 0.2536,
0.3832


 72.3459, 0.2536,
0.3832


468.7447, 0.2812,
0.3573

 53.4413, 0.2473,
0.3893


 122.5482, 0.2632,
0.3741


 38.1552, 0.2394,
0.3969


 154.6146, 0.2669,
0.3706

 26.1031, 0.2294,
0.4068


 191.8372, 0.2702,
0.3676

 16.9008, 0.2164,
0.4199

 234.6002, 0.2729,
0.3650

 10.1638, 0.1987,
0.4382

283.2880, 0.2754,
0.3627

 5.5077, 0.1733,
0.4654

338.2851, 0.2776,

 2.5481, 0.1328,

0.3607

0.5108

399.9759, 0.2795,
0.3589

0.9007, 0.0000,
0.6854

0.0000, 0.0000,
0.0000

72.3459, 0.2536,
0.3832

72.3459, 0.2536,
0.3832

71.0370, 0.2500,
0.3933

74.0784, 0.2591,
0.3734

70.1005, 0.2485,
0.4034


76.2630, 0.2664,
0.3639

69.4869, 0.2489,
0.4134

78.9351, 0.2752,
0.3549


69.2356, 0.2498,
0.4191

82.1245, 0.2853,
0.3465

 85.8585, 0.2962,
0.3388

 90.1625, 0.3077,
0.3318

 94.0629, 0.3162,
0.3254

 94.3949, 0.3131,
0.3204

Harmonies

Analogous

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



72.3459, 0.3100, 0.4319



72.3459, 0.2536, 0.3832



72.3459, 0.2154, 0.3188

Triad

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



72.3459, 0.2536, 0.3832



72.3459, 0.2497, 0.2328



72.3459, 0.4371, 0.3728

Complementary

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



72.3459, 0.2536, 0.3832



28.1818, 0.4652, 0.2880

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.



72.3459, 0.4196, 0.3250



72.3459, 0.2536, 0.3832



72.3459, 0.3054, 0.2485

Square

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



72.3459, 0.2536, 0.3832



72.3459, 0.2140, 0.2378



72.3459, 0.3692, 0.2812



72.3459, 0.4175, 0.4163

Rectangle

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



72.3459, 0.2536, 0.3832



72.3459, 0.2037, 0.2815



72.3459, 0.3692, 0.2812



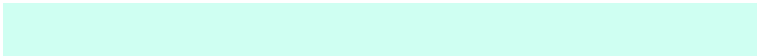
72.3459, 0.4356, 0.3569

Sweetspot

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



72.3487, 0.2536, 0.3832



91.1389, 0.2908, 0.3424



71.3748, 0.3231, 0.5248



19.2636, 0.2877, 0.3447



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.



72.3487, 0.2536, 0.3832



76.7421, 0.2494, 0.3962



54.3946, 0.2250, 0.2814



18.6782, 0.3016, 0.3354



36.9779, 0.2493, 0.4175



3.2669, 0.2458, 0.4049

Inverse Universe

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



28.1818, 0.4652, 0.2880



25.4962, 0.5149, 0.2876



34.9287, 0.4930, 0.3657



16.5548, 0.3252, 0.3227



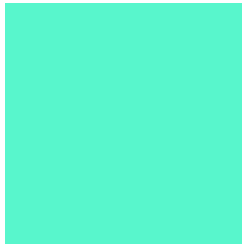
10.6837, 0.5881, 0.3013



0.9553, 0.5529, 0.2819

Previews

White Background



This preview shows how the Yxy color 72.3459, 0.2536, 0.3832 looks on a white background.

Color Contrast Check

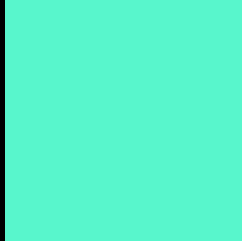
Large Text (above 18pt) WCAG AA × Fail

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 72.3459, 0.2536, 0.3832 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 72.3459, 0.2536, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 72.3459, 0.2536, 0.3832.

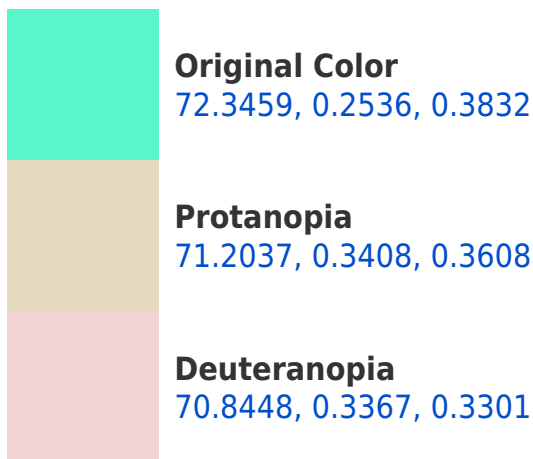


This preview shows how white text looks on a background with the Yxy color 72.3459, 0.2536, 0.3832.

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

71.9993, 0.2414, 0.3077

Trichromacy



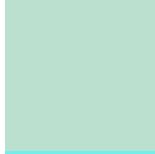
Original Color

72.3459, 0.2536, 0.3832



Protanomaly

69.4437, 0.2995, 0.3699



Deuteranomaly

68.4302, 0.2975, 0.3478



Tritanomaly

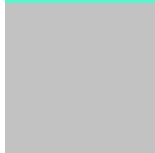
71.6913, 0.2454, 0.3337

Monochromacy



Original Color

72.3459, 0.2536, 0.3832



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

58.6343, 0.2821, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3459, 0.2536, 0.3832 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(88, 246, 204)` looks like.

```
.text, #text, p{  
    color:rgb(88, 246, 204)  
}
```

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(88, 246, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 246, 204) }
```

Border

The CSS property to change the border of an element to Yxy 72.3459, 0.2536, 0.3832 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(88, 246, 204) }
```

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

```
.border{ border-color:rgb(88, 246, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 246, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 246, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 246, 204);  
box-shadow:4px 4px 4px 4px rgb(88, 246,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3459, 0.2536, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 246, 204) }
```

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

```
.background{ background-color: rgb(88, 246,  
204) }
```

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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