

Converting Colors

$Y_{xy}(73.6035, 0.2572, 0.3774)$

Have a look what the booklet for
Yxy(73.6035, 0.2572, 0.3774)
contains.

Yxy(73.4087, 0.2571, 0.3771)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.4087, 0.2571, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	68F6D0
RGB	104, 246, 208
RGB Percent	41%, 96%, 82%
CMY	0.5922, 0.0353, 0.1843
CMYK	0.58, 0.00, 0.15, 0.04
HSL	164°, 89%, 69%
HSV	164°, 58%, 96%
XYZ	50.0487, 73.4087, 71.2090
YIQ	199.2100, -72.4340, -41.9220

Conversions

Conversions Part 2

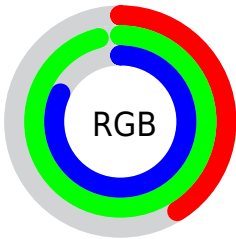
Format	Color
RYB	104, 186, 246
Decimal	6878928
CIELab	88.64, -47.29, 6.82
CIELCh	89, 47.775, 171.798
Yxy	73.4087, 0.2571, 0.3771
Android (android.graphics.Color)	4285069008 (0xFF68F6D0)
YUV	199.2100, 4.3335, -83.4992
Hunter-Lab	85.6789, -45.6685, 10.6984

Details

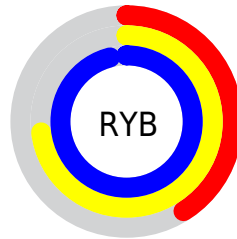
The Yxy color **73.4087, 0.2571, 0.3771** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **31.4443, 0.4412, 0.2900**, and the grayscale version is **57.2541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **38.9225, 0.2438, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **71.8309, 0.2523, 0.3871**, and if you desaturate by 10%, it is **75.4350, 0.2638, 0.3674**.

Distribution



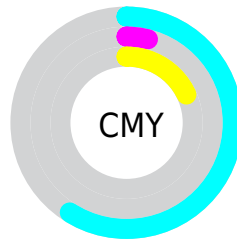
- Red (41%)
- Green (96%)
- Blue (82%)



- Red (41%)
- Yellow (73%)
- Blue (96%)



- Cyan (58%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)




- Cyan (59%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.4087, 0.2571, 0.3771 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 73.4087, 0.2571, 0.3771 by changing the saturation by 10% instead.

 73.4087, 0.2571,
0.3771


 73.4087, 0.2571,
0.3771


472.4301, 0.2830,
0.3543


 54.3102, 0.2512,
0.3824


 124.0572, 0.2661,
0.3691

 38.8497, 0.2439,
0.3891


 156.3761, 0.2696,
0.3660

 26.6428, 0.2346,
0.3976


 193.8705, 0.2726,
0.3633

 17.3052, 0.2225,
0.4090

236.9249, 0.2752,
0.3611

 10.4523, 0.2061,
0.4247

285.9237, 0.2775,
0.3591

 5.6999, 0.1827,
0.4480


341.2512, 0.2795,

 2.6635, 0.1471,


0.3573


0.4854


403.2919, 0.2813,
0.3557


 0.9587, 0.0000,
0.6291


 0.0000, 0.0000,
0.0000


 73.4087, 0.2571,
0.3771


 73.4087, 0.2571,
0.3771


 71.8309, 0.2523,
0.3871


 75.4350, 0.2638,
0.3674


 70.6541, 0.2494,
0.3973


 77.9351, 0.2721,
0.3582


 69.8358, 0.2486,
0.4074

 80.9426, 0.2817,
0.3495

 69.3151, 0.2496,
0.4175


 84.4856, 0.2923,
0.3415

 69.2178, 0.2499,
0.4198

 88.5900, 0.3037,
0.3342

 93.2802, 0.3154,
0.3276

 94.3360, 0.3137,
0.3213

 94.3950, 0.3131,
0.3204

Harmonies

Analogous

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



73.4087, 0.3091, 0.4221



73.4087, 0.2571, 0.3771



73.4087, 0.2219, 0.3185

Triad

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



73.4087, 0.2571, 0.3771



73.4087, 0.2557, 0.2397



73.4087, 0.4273, 0.3717

Complementary

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



73.4087, 0.2571, 0.3771



31.4443, 0.4412, 0.2900

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.



73.4087, 0.4119, 0.3271



73.4087, 0.2571, 0.3771



73.4087, 0.3079, 0.2548

Square

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



73.4087, 0.2571, 0.3771



73.4087, 0.2216, 0.2441



73.4087, 0.3664, 0.2858



73.4087, 0.4089, 0.4112

Rectangle

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



73.4087, 0.2571, 0.3771



73.4087, 0.2112, 0.2844



73.4087, 0.3664, 0.2858



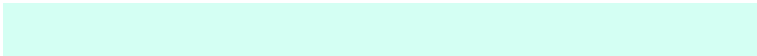
73.4087, 0.4261, 0.3569

Sweetspot

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



73.4116, 0.2571, 0.3771



91.9604, 0.2931, 0.3410



72.8637, 0.3251, 0.5041



19.5056, 0.2909, 0.3425



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.



73.4116, 0.2571, 0.3771



77.7347, 0.2517, 0.3885



58.3169, 0.2323, 0.2901



18.6777, 0.3016, 0.3354



36.9684, 0.2495, 0.4181



3.2662, 0.2460, 0.4055

Inverse Universe

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



31.4443, 0.4412, 0.2900



28.3688, 0.4834, 0.2868



37.8533, 0.4689, 0.3612



16.5553, 0.3251, 0.3227



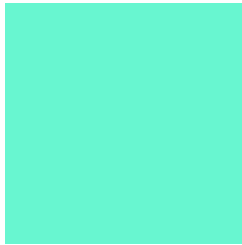
10.6865, 0.5875, 0.3010



0.9556, 0.5522, 0.2816

Previews

White Background



This preview shows how the Yxy color 73.4087, 0.2571, 0.3771 looks on a white background.

Color Contrast Check

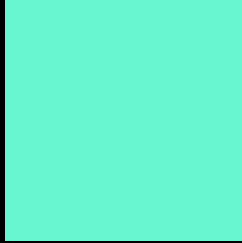
Large Text (above 18pt) WCAG AA × Fail

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 73.4087, 0.2571, 0.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

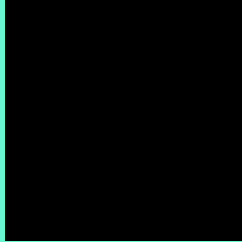
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.4087, 0.2571, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 73.4087, 0.2571, 0.3771.

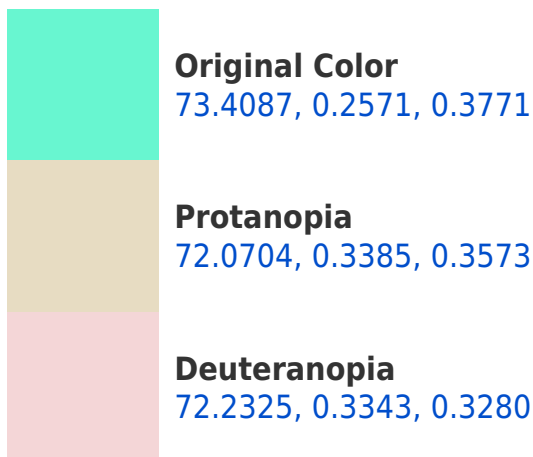


This preview shows how white text looks on a background with the Yxy color 73.4087, 0.2571, 0.3771.

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

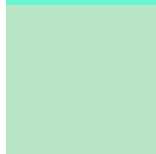
72.9393, 0.2462, 0.3079

Trichromacy



Original Color

73.4087, 0.2571, 0.3771



Protanomaly

70.4764, 0.3017, 0.3645



Deuteranomaly

70.4836, 0.2990, 0.3451



Tritanomaly

72.7783, 0.2499, 0.3312

Monochromacy



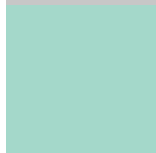
Original Color

73.4087, 0.2571, 0.3771



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

61.2685, 0.2857, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4087, 0.2571, 0.3771 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(104, 246, 208)` looks like.

```
.text, #text, p{  
    color:rgb(104, 246, 208)  
}
```

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(104, 246, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 246, 208) }
```

Border

The CSS property to change the border of an element to Yxy 73.4087, 0.2571, 0.3771 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(104, 246, 208) }
```

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

```
.border{ border-color:rgb(104, 246, 208) }
```

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

Here you see how a box with a 4 pixel rgb(104, 246, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 246, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 246, 208);  
box-shadow:4px 4px 4px 4px rgb(104, 246,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4087, 0.2571, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 246, 208) }
```

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

```
.background{ background-color: rgb(104,  
246, 208) }
```

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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