

Converting Colors

$Y_{xy}(71.2938, 0.2482, 0.3701)$

Have a look what the booklet for
Yxy(71.2938, 0.2482, 0.3701)
contains.

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Color

Yxy(71.2938, 0.2482, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	53F4D4
RGB	83, 244, 212
RGB Percent	33%, 96%, 83%
CMY	0.6739, 0.0432, 0.1686
CMYK	0.66, 0.00, 0.13, 0.04
HSL	168°, 88%, 64%
HSV	168°, 66%, 96%
XYZ	47.8117, 71.2938, 73.5284
YIQ	192.2130, -85.6840, -44.0840

Conversions

Conversions Part 2

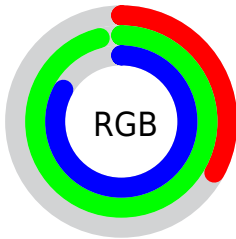
Format	Color
RYB	83, 172, 244
Decimal	5502164
CIELab	87.63, -49.02, 3.20
CIELCh	88, 49.124, 176.263
Yxy	71.2938, 0.2482, 0.3701
Android (android.graphics.Color)	4283692244 (0xFF53F4D4)
YUV	192.2130, 9.7550, -95.7798
Hunter-Lab	84.4357, -46.6867, 7.4740

Details

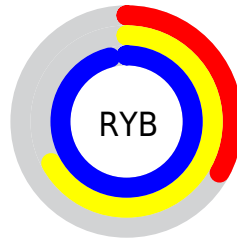
The Yxy color **71.2938, 0.2482, 0.3701** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **26.6843, 0.4872, 0.2987**, and the grayscale version is **52.8492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **37.9750, 0.2390, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **70.1315, 0.2444, 0.3774**, and if you desaturate by 10%, it is **72.8595, 0.2540, 0.3629**.

Distribution



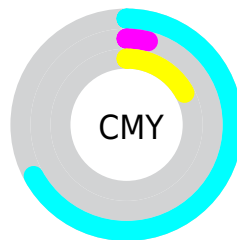
- Red (33%)
- Green (96%)
- Blue (83%)



- Red (33%)
- Yellow (67%)
- Blue (96%)



- Cyan (66%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)





- Cyan (67%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2938, 0.2482, 0.3701 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 71.2938, 0.2482, 0.3701 by changing the saturation by 10% instead.


 71.2938, 0.2482,
0.3701

 71.2938, 0.2482,
0.3701


465.0798, 0.2781,
0.3508


 52.5820, 0.2414,
0.3746


 121.0520, 0.2586,
0.3634


 37.4692, 0.2330,
0.3801


 152.8671, 0.2626,
0.3608

 25.5710, 0.2224,
0.3871


 189.8188, 0.2661,
0.3585

 16.5030, 0.2087,
0.3964

 232.2915, 0.2691,
0.3566

 9.8808, 0.1902,
0.4091

280.6696, 0.2717,
0.3549

 5.3200, 0.1642,
0.4274


335.3374, 0.2741,

 2.4362, 0.1235,

0.3534


0.4570


396.6793, 0.2762,
0.3520


 0.8444, 0.0000,
0.5483


 0.0000, 0.0000,
0.0000

 71.2938, 0.2482,
0.3701


 71.2938, 0.2482,
0.3701


 70.1315, 0.2444,
0.3774

 72.8595, 0.2540,
0.3629


 69.3212, 0.2426,
0.3847


 74.8573, 0.2615,
0.3559

 68.8125, 0.2427,
0.3920


 77.3223, 0.2707,
0.3493


 68.6577, 0.2430,
0.3950


 80.2842, 0.2813,
0.3430

 83.7699, 0.2928,
0.3372

 87.8045, 0.3052,
0.3319

 92.4114, 0.3180,
0.3271

 92.9108, 0.3157,
0.3224

 93.1767, 0.3132,
0.3185

Harmonies

Analogous

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



71.2938, 0.3001, 0.4210



71.2938, 0.2482, 0.3701



71.2938, 0.2153, 0.3093

Triad

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



71.2938, 0.2482, 0.3701



71.2938, 0.2607, 0.2378



71.2938, 0.4309, 0.3795

Complementary

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



71.2938, 0.2482, 0.3701



26.6843, 0.4872, 0.2987

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.



71.2938, 0.4204, 0.3335



71.2938, 0.2482, 0.3701



71.2938, 0.3166, 0.2562

Square

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



71.2938, 0.2482, 0.3701



71.2938, 0.2223, 0.2390



71.2938, 0.3768, 0.2901



71.2938, 0.4068, 0.4189

Rectangle

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



71.2938, 0.2482, 0.3701



71.2938, 0.2068, 0.2759



71.2938, 0.3768, 0.2901



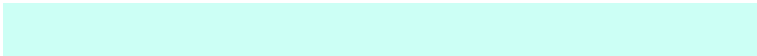
71.2938, 0.4315, 0.3644

Sweetspot

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



71.2966, 0.2482, 0.3701



90.9411, 0.2880, 0.3396



68.9908, 0.3171, 0.5332



19.2348, 0.2847, 0.3412



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.



71.2966, 0.2482, 0.3701



77.1946, 0.2436, 0.3798



47.7415, 0.2199, 0.2652



18.6980, 0.3007, 0.3337



37.3549, 0.2427, 0.3938



3.2972, 0.2402, 0.3847

Inverse Universe

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



26.6843, 0.4872, 0.2987



24.6580, 0.5425, 0.3003



36.2019, 0.4902, 0.3772



16.5364, 0.3262, 0.3243



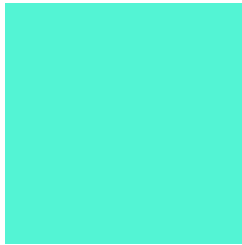
10.5916, 0.6079, 0.3122



0.9449, 0.5747, 0.2940

Previews

White Background



This preview shows how the Yxy color 71.2938, 0.2482, 0.3701 looks on a white background.

Color Contrast Check

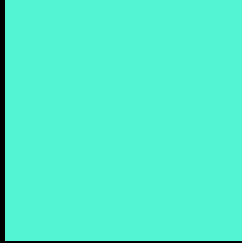
Large Text (above 18pt) WCAG AA × Fail

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 71.2938, 0.2482, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

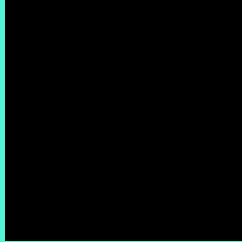
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

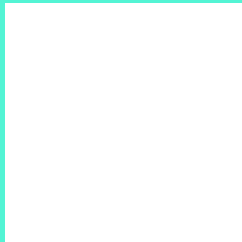
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.2938, 0.2482, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 71.2938, 0.2482, 0.3701.

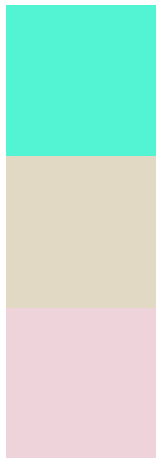


This preview shows how white text looks on a background with the Yxy color 71.2938, 0.2482, 0.3701.

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

71.2938, 0.2482, 0.3701

Protanopia

69.8257, 0.3331, 0.3511

Deuteranopia

69.8801, 0.3273, 0.3206



Tritanopia

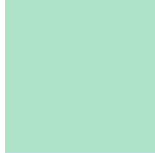
71.2991, 0.2378, 0.3074

Trichromacy



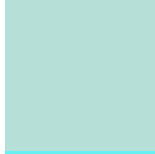
Original Color

71.2938, 0.2482, 0.3701



Protanomaly

68.2011, 0.2927, 0.3591



Deuteranomaly

67.6783, 0.2893, 0.3372



Tritanomaly

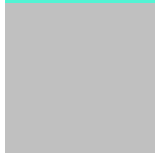
71.3770, 0.2414, 0.3300

Monochromacy



Original Color

71.2938, 0.2482, 0.3701



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

57.3875, 0.2794, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2938, 0.2482, 0.3701 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(83, 244, 212)` looks like.

```
.text, #text, p{  
    color:rgb(83, 244, 212)  
}
```

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(83, 244, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 244, 212) }
```

Border

The CSS property to change the border of an element to Yxy 71.2938, 0.2482, 0.3701 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(83, 244, 212) }
```

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

```
.border{ border-color:rgb(83, 244, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 244, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 244, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 244, 212);  
box-shadow:4px 4px 4px 4px rgb(83, 244,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2938, 0.2482, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 244, 212) }
```

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

```
.background{ background-color: rgb(83, 244,  
212) }
```

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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