

Converting Colors

$Y_{xy}(71.2853, 0.2414, 0.3734)$

Have a look what the booklet for
Yxy(71.2853, 0.2414, 0.3734)
contains.

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Color

Yxy(71.3180, 0.2413, 0.3733)

Conversions

Conversions Part 1

Format	Color
Hex	31F6D4
RGB	49, 246, 212
RGB Percent	19%, 96%, 83%
CMY	0.8086, 0.0352, 0.1686
CMYK	0.80, 0.00, 0.14, 0.04
HSL	170°, 92%, 58%
HSV	170°, 80%, 96%
XYZ	46.0997, 71.3180, 73.6297
YIQ	183.2210, -106.4980, -52.3380

Conversions

Conversions Part 2

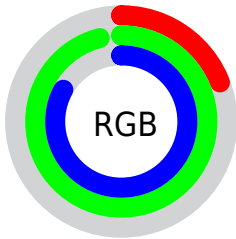
Format	Color
RYB	49, 157, 246
Decimal	3274452
CIELab	87.64, -53.87, 3.14
CIELCh	88, 53.966, 176.663
Yxy	71.3180, 0.2413, 0.3733
Android (android.graphics.Color)	4281464532 (0xFF31F6D4)
YUV	183.2210, 14.1880, -117.7118
Hunter-Lab	84.4500, -50.3475, 7.4216

Details

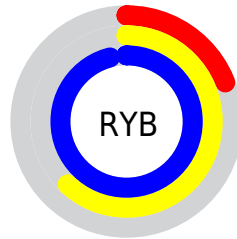
The Yxy color **71.3180, 0.2413, 0.3733** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.3972, 0.5540, 0.3052**, and the grayscale version is **47.4170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **38.8295, 0.2399, 0.3836** is the 20% darker color. If you saturate the color by 10%, you get **70.6580, 0.2401, 0.3795**, and if you desaturate by 10%, it is **72.3220, 0.2444, 0.3670**.

Distribution



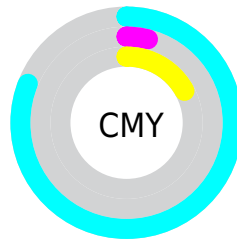
- Red (19%)
- Green (96%)
- Blue (83%)



- Red (19%)
- Yellow (62%)
- Blue (96%)



- Cyan (80%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)





- Cyan (81%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3180, 0.2413, 0.3733 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 71.3180, 0.2413, 0.3733 by changing the saturation by 10% instead.


 71.3180, 0.2413,
0.3733

 71.3180, 0.2413,
0.3733


465.1643, 0.2743,
0.3526

 52.6017, 0.2338,
0.3781


 121.0864, 0.2527,
0.3661

 37.4849, 0.2246,
0.3840

 152.9074, 0.2572,
0.3633

 25.5832, 0.2130,
0.3915


 189.8653, 0.2610,
0.3608

 16.5121, 0.1980,
0.4014

 232.3447, 0.2644,
0.3588

 9.8872, 0.1779,
0.4149

280.7299, 0.2673,
0.3569

 5.3243, 0.1499,
0.4341


335.4053, 0.2699,


 2.4387, 0.1035,


0.3553


0.4666


396.7553, 0.2722,
0.3539


 0.8457, 0.0000,
0.5467


 0.0000, 0.0000,
0.0000


 71.3180, 0.2413,
0.3733


 71.3180, 0.2413,
0.3733


 70.6580, 0.2401,
0.3795


 72.3220, 0.2444,
0.3670


 70.2588, 0.2405,
0.3856


 73.7093, 0.2496,
0.3608

 75.5227, 0.2566,
0.3547


 77.7972, 0.2654,
0.3489

 80.5639, 0.2756,
0.3434

 83.8515, 0.2871,
0.3382

 87.6862, 0.2995,
0.3334

 92.0927, 0.3125,
0.3291

 94.0922, 0.3160,
0.3250

Harmonies

Analogous

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



71.3180, 0.2974, 0.4306



71.3180, 0.2413, 0.3733



71.3180, 0.2064, 0.3059

Triad

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



71.3180, 0.2413, 0.3733



71.3180, 0.2564, 0.2302



71.3180, 0.4420, 0.3835

Complementary

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



71.3180, 0.2413, 0.3733



22.3972, 0.5540, 0.3052

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.



71.3180, 0.4315, 0.3338



71.3180, 0.2413, 0.3733



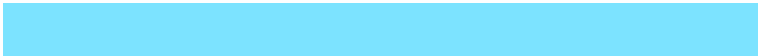
71.3180, 0.3175, 0.2504

Square

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



71.3180, 0.2413, 0.3733



71.3180, 0.2149, 0.2309



71.3180, 0.3838, 0.2870



71.3180, 0.4145, 0.4270

Rectangle

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



71.3180, 0.2413, 0.3733



71.3180, 0.1977, 0.2696



71.3180, 0.3838, 0.2870



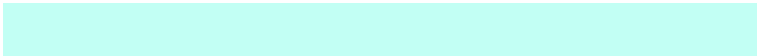
71.3180, 0.4430, 0.3671

Sweetspot

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



71.3207, 0.2413, 0.3733



89.5218, 0.2825, 0.3402



68.0682, 0.3120, 0.5702



18.8919, 0.2784, 0.3420



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.



71.3207, 0.2413, 0.3733



76.3794, 0.2402, 0.3833



41.4028, 0.2059, 0.2440



18.7059, 0.3004, 0.3331



37.5160, 0.2402, 0.3846



3.3099, 0.2380, 0.3768

Inverse Universe

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



22.3972, 0.5540, 0.3052



21.7330, 0.6085, 0.3150



31.2399, 0.5393, 0.3805



16.5291, 0.3266, 0.3249



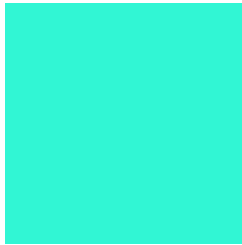
10.5627, 0.6145, 0.3159



0.9413, 0.5827, 0.2984

Previews

White Background



This preview shows how the Yxy color 71.3180, 0.2413, 0.3733 looks on a white background.

Color Contrast Check

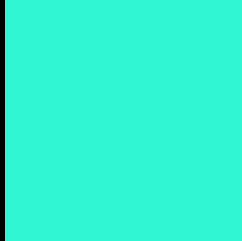
Large Text (above 18pt) WCAG AA × Fail

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 71.3180, 0.2413, 0.3733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

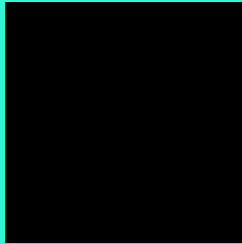
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

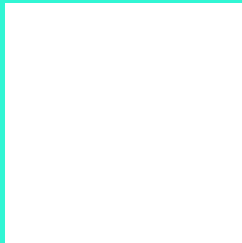
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.3180, 0.2413, 0.3733

Background



This preview shows how black text looks on a background with the Yxy color 71.3180, 0.2413, 0.3733.

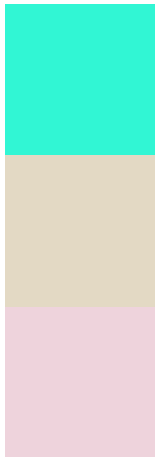


This preview shows how white text looks on a background with the Yxy color 71.3180, 0.2413, 0.3733.

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

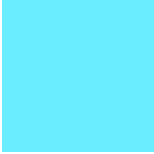
71.3180, 0.2413, 0.3733

Protanopia

69.9421, 0.3346, 0.3521

Deuteranopia

69.9330, 0.3266, 0.3196



Tritanopia

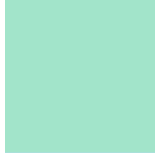
70.8525, 0.2354, 0.3073

Trichromacy



Original Color

71.3180, 0.2413, 0.3733



Protanomaly

67.4325, 0.2853, 0.3609



Deuteranomaly

66.7561, 0.2807, 0.3373



Tritanomaly

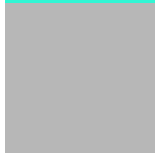
70.4835, 0.2364, 0.3300

Monochromacy



Original Color

71.3180, 0.2413, 0.3733



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.1060, 0.2707, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3180, 0.2413, 0.3733 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(49, 246, 212)` looks like.

```
.text, #text, p{  
    color:rgb(49, 246, 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(49, 246, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 246, 212) }
```

Border

The CSS property to change the border of an element to Yxy 71.3180, 0.2413, 0.3733 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(49, 246, 212) }
```

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

```
.border{ border-color:rgb(49, 246, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 246, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 246, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 246, 212);  
box-shadow:4px 4px 4px 4px rgb(49, 246,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3180, 0.2413, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 246, 212) }
```

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

```
.background{ background-color: rgb(49, 246,  
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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