

Converting Colors

$Yxy(72.8074, 0.2618, 0.3833)$

Have a look what the booklet for
Yxy(72.8074, 0.2618, 0.3833)
contains.

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Color

Yxy(72.8841, 0.2619, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	6EF5CA
RGB	110, 245, 202
RGB Percent	43%, 96%, 79%
CMY	0.5684, 0.0392, 0.2079
CMYK	0.55, 0.00, 0.18, 0.04
HSL	161°, 87%, 70%
HSV	161°, 55%, 96%
XYZ	49.7481, 72.8841, 67.3185
YIQ	199.7330, -66.6570, -41.9930

Conversions

Conversions Part 2

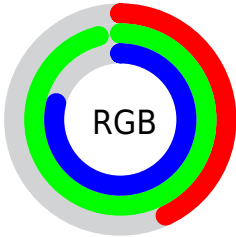
Format	Color
RYB	110, 190, 245
Decimal	7271882
CIELab	88.39, -47.02, 9.61
CIELCh	88, 47.990, 168.454
Yxy	72.8841, 0.2619, 0.3837
Android (android.graphics.Color)	4285461962 (0xFF6EF5CA)
YUV	199.7330, 1.1176, -78.6958
Hunter-Lab	85.3722, -45.3858, 13.0086

Details

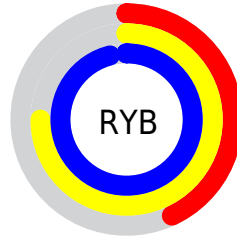
The Yxy color **72.8841, 0.2619, 0.3837** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.8795, 0.4231, 0.2839**, and the grayscale version is **57.6203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **38.5359, 0.2494, 0.3978** is the 20% darker color. If you saturate the color by 10%, you get **71.1652, 0.2570, 0.3958**, and if you desaturate by 10%, it is **75.0619, 0.2686, 0.3721**.

Distribution



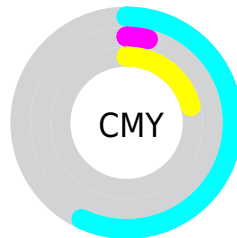
- Red (43%)
- Green (96%)
- Blue (79%)



- Red (43%)
- Yellow (75%)
- Blue (96%)



- Cyan (55%)
- Magenta (0%)
- Yellow (18%)
- Black (4%)





- Cyan (57%)
- Magenta (4%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8841, 0.2619, 0.3837 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 72.8841, 0.2619, 0.3837 by changing the saturation by 10% instead.

 72.8841, 0.2619,
0.3837


 72.8841, 0.2619,
0.3837


470.6130, 0.2857,
0.3575

 53.8812, 0.2564,
0.3899


 123.3127, 0.2702,
0.3744

 38.5067, 0.2495,
0.3977

 155.5071, 0.2735,
0.3709

 26.3762, 0.2408,
0.4077

 192.8675, 0.2762,
0.3678

 17.1053, 0.2294,
0.4211

235.7783, 0.2786,
0.3652

 10.3096, 0.2137,
0.4399

284.6239, 0.2807,
0.3629

 5.6047, 0.1909,
0.4682

339.7886, 0.2826,

 2.6062, 0.1555,

0.3609

401.6568, 0.2843,
0.3591

0.5147

0.9298, 0.0000,
0.7322

0.0000, 0.0000,
0.0000

72.8841, 0.2619,
0.3837

72.8841, 0.2619,
0.3837

71.1652, 0.2570,
0.3958

75.0619, 0.2686,
0.3721

69.8594, 0.2540,
0.4081


77.7228, 0.2768,
0.3611


68.9266, 0.2531,
0.4204

80.8994, 0.2861,
0.3509

68.3139, 0.2541,
0.4326

84.6189, 0.2963,
0.3415

 68.0910, 0.2551,
0.4385

 88.9068, 0.3071,
0.3330

 93.3938, 0.3169,
0.3253

 93.7840, 0.3132,
0.3194

Harmonies

Analogous

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



72.8841, 0.3154, 0.4259



72.8841, 0.2619, 0.3837



72.8841, 0.2242, 0.3248

Triad

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



72.8841, 0.2619, 0.3837



72.8841, 0.2505, 0.2386



72.8841, 0.4281, 0.3669

Complementary

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



72.8841, 0.2619, 0.3837



32.8795, 0.4231, 0.2839

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.



72.8841, 0.4087, 0.3221



72.8841, 0.2619, 0.3837



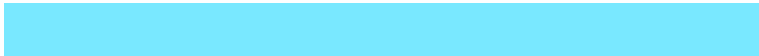
72.8841, 0.3013, 0.2518

Square

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



72.8841, 0.2619, 0.3837



72.8841, 0.2186, 0.2454



72.8841, 0.3604, 0.2814



72.8841, 0.4130, 0.4079

Rectangle

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



72.8841, 0.2619, 0.3837



72.8841, 0.2117, 0.2893



72.8841, 0.3604, 0.2814



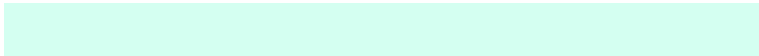
72.8841, 0.4256, 0.3520

Sweetspot

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



72.8870, 0.2619, 0.3837



91.8270, 0.2943, 0.3433



73.4038, 0.3294, 0.4935



19.4739, 0.2922, 0.3452



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.



72.8870, 0.2619, 0.3837



77.7660, 0.2566, 0.3971



62.4249, 0.2371, 0.3009



18.6627, 0.3023, 0.3367



36.7088, 0.2546, 0.4365



3.2450, 0.2504, 0.4213

Inverse Universe

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



32.8795, 0.4231, 0.2839



29.9313, 0.4597, 0.2786



37.1918, 0.4631, 0.3530



16.5695, 0.3243, 0.3215



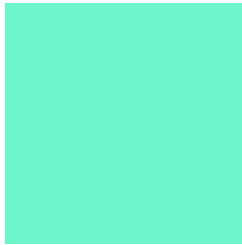
10.7771, 0.5697, 0.2912



0.9651, 0.5344, 0.2717

Previews

White Background



This preview shows how the Yxy color 72.8841, 0.2619, 0.3837 looks on a white background.

Color Contrast Check

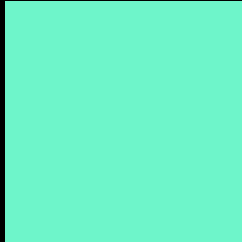
Large Text (above 18pt) WCAG AA × Fail

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 72.8841, 0.2619, 0.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

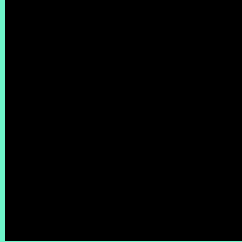
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8841, 0.2619, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 72.8841, 0.2619, 0.3837.

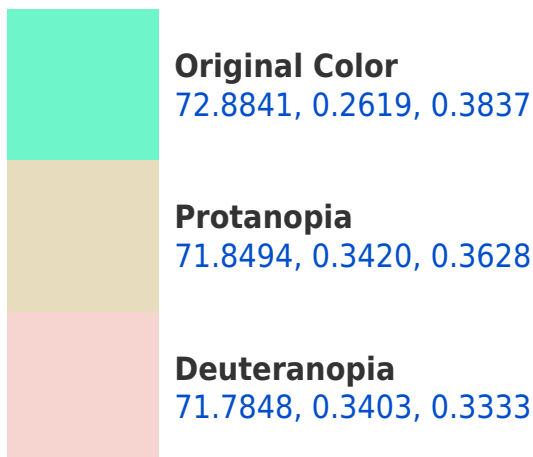


This preview shows how white text looks on a background with the Yxy color 72.8841, 0.2619, 0.3837.

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

72.8567, 0.2458, 0.3079

Trichromacy



Original Color

72.8841, 0.2619, 0.3837



Protanomaly

70.4985, 0.3061, 0.3704



Deuteranomaly

70.1770, 0.3055, 0.3509



Tritanomaly

72.7363, 0.2512, 0.3336

Monochromacy



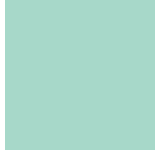
Original Color

72.8841, 0.2619, 0.3837



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

61.5443, 0.2883, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8841, 0.2619, 0.3837 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(110, 245, 202)` looks like.

```
.text, #text, p{  
    color:rgb(110, 245, 202)  
}
```

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(110, 245, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 245, 202) }
```

Border

The CSS property to change the border of an element to Yxy 72.8841, 0.2619, 0.3837 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(110, 245, 202) }
```

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

```
.border{ border-color:rgb(110, 245, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 245, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 245, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 245, 202);  
box-shadow:4px 4px 4px 4px rgb(110, 245,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8841, 0.2619, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 245, 202) }
```

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

```
.background{ background-color: rgb(110,  
245, 202) }
```

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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