

Converting Colors

$Y_{xy}(72.8221, 0.2802, 0.3930)$

Have a look what the booklet for
Yxy(72.8221, 0.2802, 0.3930)
contains.

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Color

Yxy(72.8413, 0.2803, 0.3928)

Conversions

Conversions Part 1

Format	Color
Hex	8CF2BF
RGB	140, 242, 191
RGB Percent	55%, 95%, 75%
CMY	0.4508, 0.0510, 0.2509
CMYK	0.42, 0.00, 0.21, 0.05
HSL	150°, 80%, 75%
HSV	150°, 42%, 95%
XYZ	51.9792, 72.8413, 60.6207
YIQ	205.6880, -44.4210, -37.4850

Conversions

Conversions Part 2

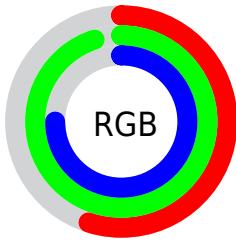
Format	Color
RYB	140, 208, 242
Decimal	9237183
CIELab	88.37, -41.00, 15.42
CIELCh	88, 43.799, 159.387
Yxy	72.8413, 0.2803, 0.3928
Android (android.graphics.Color)	4287427263 (0xFF8CF2BF)
YUV	205.6880, -7.2412, -57.6084
Hunter-Lab	85.3471, -40.6452, 17.6302

Details

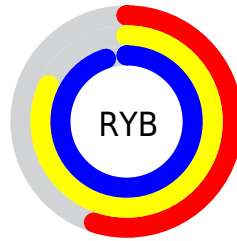
The Yxy color **72.8413, 0.2803, 0.3928** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.4109, 0.3665, 0.2739**, and the grayscale version is **61.5898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1057, 0.2830, 0.3374**, and **38.3431, 0.2720, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **70.4561, 0.2748, 0.4114**, and if you desaturate by 10%, it is **75.7387, 0.2870, 0.3753**.

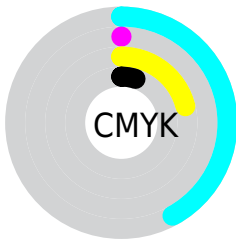
Distribution



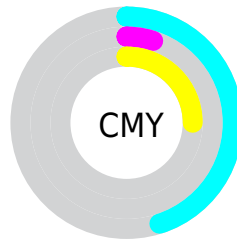
- Red (55%)
- Green (95%)
- Blue (75%)



- Red (55%)
- Yellow (82%)
- Blue (95%)



- Cyan (42%)
- Magenta (0%)
- Yellow (21%)
- Black (5%)




- Cyan (45%)
- Magenta (5%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8413, 0.2803, 0.3928 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 72.8413, 0.2803, 0.3928 by changing the saturation by 10% instead.


 72.8413, 0.2803,
0.3928

 72.8413, 0.2803,
0.3928

470.4646, 0.2959,
0.3619

 53.8462, 0.2766,
0.4002


 123.2519, 0.2859,
0.3818

 38.4787, 0.2719,
0.4095


 155.4362, 0.2880,
0.3776

 26.3544, 0.2658,
0.4216


192.7856, 0.2898,
0.3740

 17.0890, 0.2577,
0.4379

235.6847, 0.2913,
0.3710

 10.2980, 0.2461,
0.4611

284.5177, 0.2927,
0.3683

 5.5970, 0.2287,
0.4962

339.6691, 0.2939,

 2.6016, 0.1998,

0.3659

401.5233, 0.2950,
0.3638

0.5554

0.9275, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.8413, 0.2803,
0.3928

72.8413, 0.2803,
0.3928

70.4561, 0.2748,
0.4114

75.7387, 0.2870,
0.3753

68.5426, 0.2709,
0.4309

79.1683, 0.2945,
0.3593


67.0683, 0.2688,
0.4508


83.1597, 0.3026,
0.3447


65.9925, 0.2687,
0.4705

87.7377, 0.3109,
0.3316

 65.2664, 0.2706,
0.4894

 91.7599, 0.3154,
0.3198

 64.8820, 0.2732,
0.5036

 91.9818, 0.3133,
0.3165

Harmonies

Analogous

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



72.8413, 0.3315, 0.4224



72.8413, 0.2803, 0.3928



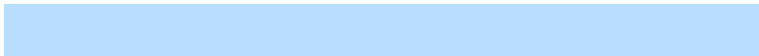
72.8413, 0.2400, 0.3418

Triad

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



72.8413, 0.2803, 0.3928



72.8413, 0.2446, 0.2455



72.8413, 0.4161, 0.3521

Complementary

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



72.8413, 0.2803, 0.3928



41.4109, 0.3665, 0.2739

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.



72.8413, 0.3892, 0.3110



72.8413, 0.2803, 0.3928



72.8413, 0.2870, 0.2523

Square

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



72.8413, 0.2803, 0.3928



72.8413, 0.2211, 0.2583



72.8413, 0.3403, 0.2756



72.8413, 0.4119, 0.3917

Rectangle

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



72.8413, 0.2803, 0.3928



72.8413, 0.2238, 0.3071



72.8413, 0.3403, 0.2756



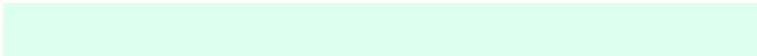
72.8413, 0.4104, 0.3382

Sweetspot

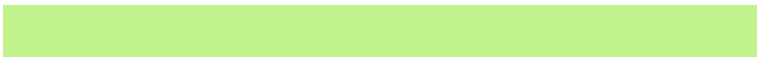
The Sweet Spot groups the original color and five complimentary colors.



72.8443, 0.2803, 0.3928



93.2239, 0.3018, 0.3459



76.6979, 0.3403, 0.4468



19.7316, 0.3000, 0.3491



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.



72.8443, 0.2803, 0.3928



79.5926, 0.2753, 0.4096



75.3907, 0.2560, 0.3308



17.7882, 0.3048, 0.3411



34.8841, 0.2724, 0.5007



2.9221, 0.2657, 0.4766

Inverse Universe

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



41.4109, 0.3665, 0.2739



39.6314, 0.3837, 0.2628



39.5936, 0.4207, 0.3275



15.8907, 0.3215, 0.3172



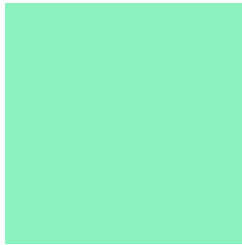
10.9104, 0.4958, 0.2505



0.9277, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 72.8413, 0.2803, 0.3928 looks on a white background.

Color Contrast Check

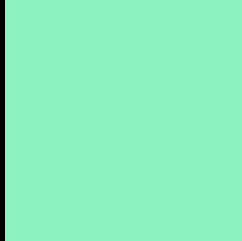
Large Text (above 18pt) WCAG AA × Fail

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 72.8413, 0.2803, 0.3928 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 72.8413, 0.2803, 0.3928

Background



This preview shows how black text looks on a background with the Yxy color 72.8413, 0.2803, 0.3928.

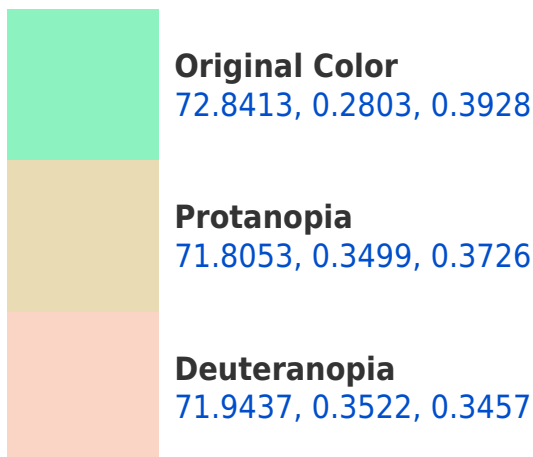


This preview shows how white text looks on a background with the Yxy color 72.8413, 0.2803, 0.3928.

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

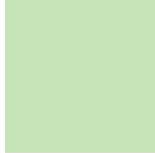
72.8425, 0.2561, 0.3082

Trichromacy



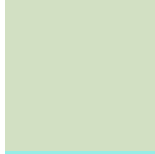
Original Color

72.8413, 0.2803, 0.3928



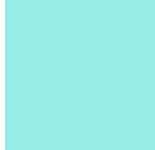
Protanomaly

71.0896, 0.3207, 0.3803



Deuteranomaly

70.9531, 0.3218, 0.3619



Tritanomaly

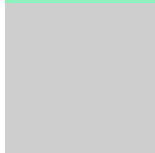
72.7656, 0.2648, 0.3372

Monochromacy



Original Color

72.8413, 0.2803, 0.3928



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.8252, 0.2984, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8413, 0.2803, 0.3928 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(140, 242, 191)` looks like.

```
.text, #text, p{  
  color:rgb(140, 242, 191)  
}
```

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(140, 242, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 242, 191) }
```

Border

The CSS property to change the border of an element to Yxy 72.8413, 0.2803, 0.3928 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(140, 242, 191) }
```

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

```
.border{ border-color:rgb(140, 242, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 242, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 242, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 242, 191);  
box-shadow:4px 4px 4px 4px rgb(140, 242,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8413, 0.2803, 0.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 242, 191) }
```

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

```
.background{ background-color: rgb(140,  
242, 191) }
```

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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