

Converting Colors

$Yxy(70.8036, 0.2778, 0.3952)$

Have a look what the booklet for
Yxy(70.8036, 0.2778, 0.3952)
contains.

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Color

Yxy(70.8566, 0.2776, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	84F0BC
RGB	132, 240, 188
RGB Percent	52%, 94%, 74%
CMY	0.4821, 0.0588, 0.2627
CMYK	0.45, 0.00, 0.22, 0.06
HSL	151°, 78%, 73%
HSV	151°, 45%, 94%
XYZ	49.7592, 70.8566, 58.6319
YIQ	201.7800, -47.6760, -39.0680

Conversions

Conversions Part 2

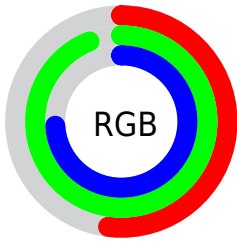
Format	Color
R _Y B	132, 203, 240
Decimal	8712380
CIE Lab	87.42, -42.78, 15.59
CIE LCh	87, 45.530, 159.976
Yxy	70.8566, 0.2776, 0.3953
Android (android.graphics.Color)	4286902460 (0xFF84F0BC)
YUV	201.7800, -6.7935, -61.1971
Hunter-Lab	84.1764, -41.7920, 17.6258

Details

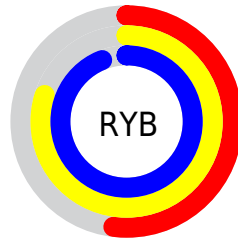
The Yxy color **70.8566, 0.2776, 0.3953** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.5050, 0.3738, 0.2724**, and the grayscale version is **58.9932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9988, 0.2807, 0.3407**, and **37.0721, 0.2681, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **68.6623, 0.2724, 0.4135**, and if you desaturate by 10%, it is **73.5417, 0.2841, 0.3782**.

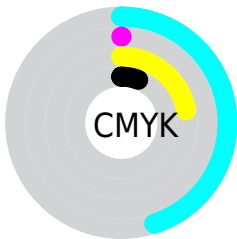
Distribution



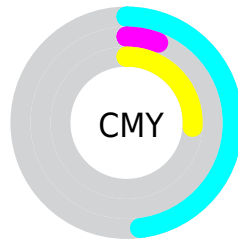
- Red (52%)
- Green (94%)
- Blue (74%)



- Red (52%)
- Yellow (80%)
- Blue (94%)



- Cyan (45%)
- Magenta (0%)
- Yellow (22%)
- Black (6%)




- Cyan (48%)
- Magenta (6%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8566, 0.2776, 0.3953 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 70.8566, 0.2776, 0.3953 by changing the saturation by 10% instead.


 70.8566, 0.2776,
0.3953

 70.8566, 0.2776,
0.3953

463.5520, 0.2946,
0.3630

 52.2252, 0.2735,
0.4031


 120.4295, 0.2837,
0.3838

 37.1846, 0.2684,
0.4129


 152.1398, 0.2860,
0.3794

 25.3504, 0.2617,
0.4257

 188.9785, 0.2879,
0.3756

 16.3383, 0.2528,
0.4431

231.3300, 0.2896,
0.3724

 9.7639, 0.2400,
0.4679

279.5787, 0.2911,
0.3696

 5.2427, 0.2207,
0.5059

334.1090, 0.2924,

 2.3904, 0.1882,

0.3671

0.5707

395.3053, 0.2936,
0.3650

0.8209, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.8566, 0.2776,
0.3953

70.8566, 0.2776,
0.3953

68.6623, 0.2724,
0.4135

73.5417, 0.2841,
0.3782

66.9183, 0.2688,
0.4323


76.7377, 0.2917,
0.3624


65.5915, 0.2671,
0.4515


80.4742, 0.2998,
0.3479


64.6405, 0.2674,
0.4703

84.7759, 0.3084,
0.3349

 64.0142, 0.2698,
0.4885

 89.6658, 0.3171,
0.3234

 63.7838, 0.2715,
0.4972

 90.7985, 0.3134,
0.3146

Harmonies

Analogous

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



70.8566, 0.3311, 0.4270



70.8566, 0.2776, 0.3953



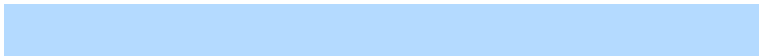
70.8566, 0.2359, 0.3411

Triad

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



70.8566, 0.2776, 0.3953



70.8566, 0.2422, 0.2418



70.8566, 0.4214, 0.3537

Complementary

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



70.8566, 0.2776, 0.3953



38.5050, 0.3738, 0.2724

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.



70.8566, 0.3938, 0.3108



70.8566, 0.2776, 0.3953



70.8566, 0.2867, 0.2493

Square

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



70.8566, 0.2776, 0.3953



70.8566, 0.2174, 0.2545



70.8566, 0.3427, 0.2739



70.8566, 0.4162, 0.3950

Rectangle

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



70.8566, 0.2776, 0.3953



70.8566, 0.2194, 0.3048



70.8566, 0.3427, 0.2739



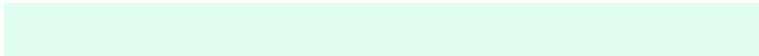
70.8566, 0.4157, 0.3391

Sweetspot

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



70.8595, 0.2776, 0.3953



93.2598, 0.3015, 0.3453



74.2044, 0.3391, 0.4563



19.7405, 0.2996, 0.3483



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.



70.8595, 0.2776, 0.3953



78.9826, 0.2727, 0.4120



72.4656, 0.2519, 0.3267



17.7932, 0.3045, 0.3406



34.9442, 0.2707, 0.4944



2.9271, 0.2642, 0.4710

Inverse Universe

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



38.5050, 0.3738, 0.2724



37.4977, 0.3929, 0.2619



37.2021, 0.4329, 0.3313



15.8857, 0.3218, 0.3177



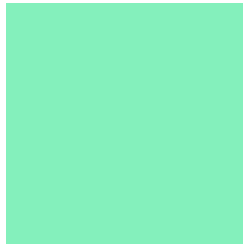
10.8529, 0.5036, 0.2548



0.9229, 0.4732, 0.2380

Previews

White Background



This preview shows how the Yxy color 70.8566, 0.2776, 0.3953 looks on a white background.

Color Contrast Check

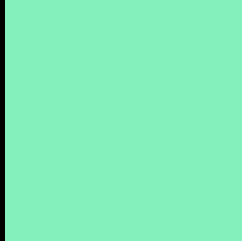
Large Text (above 18pt) WCAG AA × Fail

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 70.8566, 0.2776, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

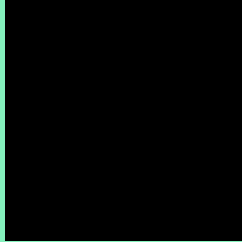
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8566, 0.2776, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 70.8566, 0.2776, 0.3953.

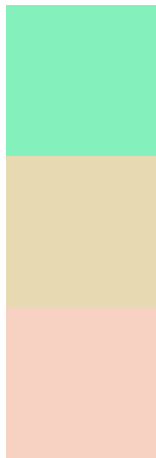


This preview shows how white text looks on a background with the Yxy color 70.8566, 0.2776, 0.3953.

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

70.8566, 0.2776, 0.3953

Protanopia

69.7890, 0.3512, 0.3730

Deuteranopia

69.7624, 0.3528, 0.3459



Tritanopia

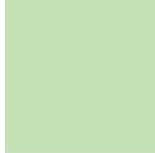
70.9113, 0.2533, 0.3079

Trichromacy



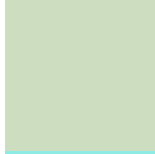
Original Color

70.8566, 0.2776, 0.3953



Protanomaly

68.7887, 0.3200, 0.3811



Deuteranomaly

68.4978, 0.3205, 0.3625



Tritanomaly

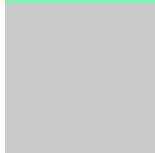
70.7135, 0.2620, 0.3385

Monochromacy



Original Color

70.8566, 0.2776, 0.3953



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

62.4901, 0.2975, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8566, 0.2776, 0.3953 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(132, 240, 188)` looks like.

```
.text, #text, p{  
    color:rgb(132, 240, 188)  
}
```

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(132, 240, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 240, 188) }
```

Border

The CSS property to change the border of an element to Yxy 70.8566, 0.2776, 0.3953 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(132, 240, 188) }
```

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

```
.border{ border-color:rgb(132, 240, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 240, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 240, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 240, 188); box-shadow:4px 4px 4px 4px rgb(132, 240, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8566, 0.2776, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 240, 188) }
```

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

```
.background{ background-color: rgb(132,  
240, 188) }
```

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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