

Converting Colors

$Yxy(70.0807, 0.2810, 0.3720)$

Have a look what the booklet for
Yxy(70.0807, 0.2810, 0.3720)
contains.

Yxy(70.2622, 0.2812, 0.3722)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.2622, 0.2812, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	98EBC8
RGB	152, 235, 200
RGB Percent	60%, 92%, 78%
CMY	0.4040, 0.0784, 0.2155
CMYK	0.35, 0.00, 0.15, 0.08
HSL	155°, 67%, 76%
HSV	155°, 35%, 92%
XYZ	53.0836, 70.2622, 65.4296
YIQ	206.1930, -38.2330, -28.4810

Conversions

Conversions Part 2

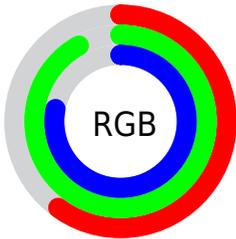
Format	Color
RYB	152, 205, 235
Decimal	10021832
CIELab	87.13, -32.75, 9.03
CIELCh	87, 33.968, 164.583
Yxy	70.2622, 0.2812, 0.3722
Android (android.graphics.Color)	4288211912 (0xFF98EBC8)
YUV	206.1930, -3.0531, -47.5273
Hunter-Lab	83.8226, -33.6479, 12.3957

Details

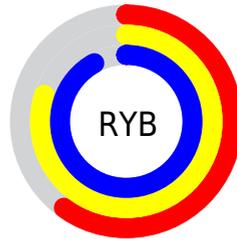
The Yxy color **70.2622, 0.2812, 0.3722** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.7007, 0.3613, 0.2900**, and the grayscale version is **61.8908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **36.8569, 0.2733, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **67.7699, 0.2741, 0.3870**, and if you desaturate by 10%, it is **73.2394, 0.2894, 0.3585**.

Distribution



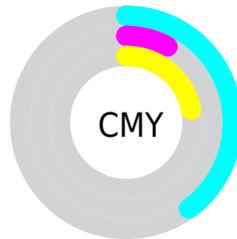
- Red (60%)
- Green (92%)
- Blue (78%)



- Red (60%)
- Yellow (80%)
- Blue (92%)



- Cyan (35%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)



- Cyan (40%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2622, 0.2812, 0.3722 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 70.2622, 0.2812, 0.3722 by changing the saturation by 10% instead.

 70.2622, 0.2812,
0.3722

 70.2622, 0.2812,
0.3722

461.4701, 0.2962,
0.3515

 51.7403, 0.2777,
0.3771

 119.5826, 0.2865,
0.3648

 36.7981, 0.2733,
0.3833

 151.1499, 0.2885,
0.3620

 25.0512, 0.2677,
0.3914

187.8345, 0.2902,
0.3596

 16.1152, 0.2602,
0.4022

230.0207, 0.2917,
0.3576

 9.6057, 0.2497,
0.4174

278.0930, 0.2930,
0.3557

 5.1383, 0.2341,
0.4406

332.4357, 0.2942,

 2.3287, 0.2087,

0.3541

0.4797

393.4333, 0.2952,
0.3527

 0.7888, 0.0000,
0.7761

 0.0000, 0.0000,
0.0000

 70.2622, 0.2812,
0.3722

 70.2622, 0.2812,
0.3722

 67.7699, 0.2741,
0.3870

 73.2394, 0.2894,
0.3585

 65.7266, 0.2683,
0.4027

 76.7180, 0.2983,
0.3459

 64.1052, 0.2643,
0.4190

 80.7239, 0.3076,
0.3346

 62.8718, 0.2622,
0.4357

 85.2791, 0.3172,
0.3244

 61.9871, 0.2621,
0.4522

 87.5517, 0.3170,
0.3149

 61.4028, 0.2641,
0.4683

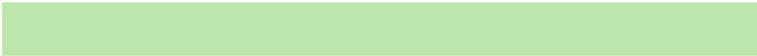
 87.8991, 0.3136,
0.3097

 61.1973, 0.2655,
0.4756

Harmonies

Analogous

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



70.2622, 0.3212, 0.3988



70.2622, 0.2812, 0.3722



70.2622, 0.2509, 0.3324

Triad

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



70.2622, 0.2812, 0.3722



70.2622, 0.2636, 0.2619



70.2622, 0.3950, 0.3545

Complementary

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



70.2622, 0.2812, 0.3722



43.7007, 0.3613, 0.2900

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.



70.2622, 0.3778, 0.3209



70.2622, 0.2812, 0.3722



70.2622, 0.2998, 0.2697

Square

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



70.2622, 0.2812, 0.3722



70.2622, 0.2414, 0.2701



70.2622, 0.3420, 0.2907



70.2622, 0.3882, 0.3845

Rectangle

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



70.2622, 0.2812, 0.3722



70.2622, 0.2396, 0.3063



70.2622, 0.3420, 0.2907



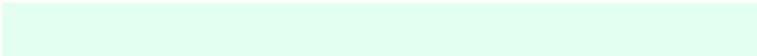
70.2622, 0.3918, 0.3433

Sweetspot

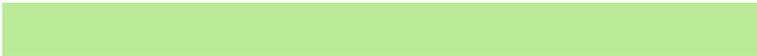
The Sweet Spot groups the original color and five complimentary colors.



70.2651, 0.2812, 0.3722



94.3250, 0.3022, 0.3409



72.3720, 0.3316, 0.4278



20.0516, 0.3010, 0.3425



0.0000, 0.0000, 0.0000



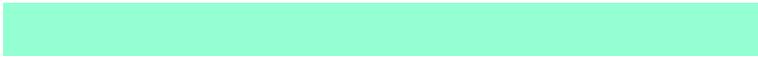
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2651, 0.2812, 0.3722



82.4542, 0.2762, 0.3823



68.9714, 0.2621, 0.3223



17.0084, 0.3037, 0.3391



34.0837, 0.2648, 0.4731



2.6955, 0.2586, 0.4511

Inverse Universe

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



43.7007, 0.3613, 0.2900



46.2592, 0.3750, 0.2823



44.2200, 0.3951, 0.3355



15.1593, 0.3227, 0.3191



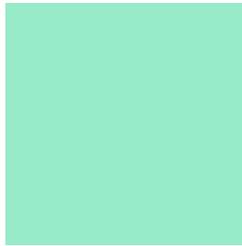
10.3552, 0.5288, 0.2686



0.8320, 0.4932, 0.2490

Previews

White Background



This preview shows how the Yxy color 70.2622, 0.2812, 0.3722 looks on a white background.

Color Contrast Check

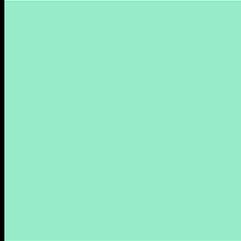
Large Text (above 18pt) WCAG AA × Fail

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 70.2622, 0.2812, 0.3722 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 70.2622, 0.2812, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 70.2622, 0.2812, 0.3722.

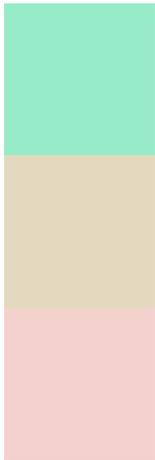


This preview shows how white text looks on a background with the Yxy color 70.2622, 0.2812, 0.3722.

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

70.2622, 0.2812, 0.3722

Protanopia

69.6743, 0.3388, 0.3589

Deuteranopia

69.5557, 0.3414, 0.3344



Tritanopia

69.8836, 0.2610, 0.3070

Trichromacy



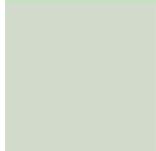
Original Color

70.2622, 0.2812, 0.3722



Protanomaly

69.4857, 0.3153, 0.3638



Deuteranomaly

68.6765, 0.3169, 0.3472



Tritanomaly

70.1341, 0.2681, 0.3301

Monochromacy



Original Color

70.2622, 0.2812, 0.3722



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.4244, 0.2993, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2622, 0.2812, 0.3722 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(152, 235, 200)` looks like.

```
.text, #text, p{  
    color:rgb(152, 235, 200)  
}
```

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(152, 235, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 235, 200) }
```

Border

The CSS property to change the border of an element to Yxy 70.2622, 0.2812, 0.3722 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(152, 235, 200) }
```

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

```
.border{ border-color:rgb(152, 235, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 235, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 235, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 235, 200);  
box-shadow:4px 4px 4px 4px rgb(152, 235,  
200) }
```

Background

The CSS property to change the background color of an element to Yxy 70.2622, 0.2812, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 235, 200) }
```

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

```
.background{ background-color: rgb(152,  
235, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor