

Converting Colors

$Yxy(70.3554, 0.2759, 0.3574)$

Have a look what the booklet for
Yxy(70.3554, 0.2759, 0.3574)
contains.

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Color

Yxy(70.3211, 0.2758, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	99EAD3
RGB	153, 234, 211
RGB Percent	60%, 92%, 83%
CMY	0.3997, 0.0824, 0.1726
CMYK	0.35, 0.00, 0.10, 0.08
HSL	163°, 66%, 76%
HSV	163°, 35%, 92%
XYZ	54.3265, 70.3211, 72.3303
YIQ	207.1590, -40.8930, -24.3250

Conversions

Conversions Part 2

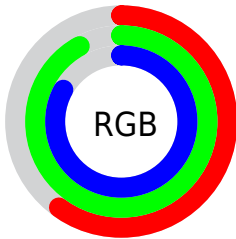
Format	Color
RYB	153, 200, 234
Decimal	10087123
CIELab	87.15, -29.68, 3.34
CIElCh	87, 29.869, 173.573
Yxy	70.3211, 0.2758, 0.3570
Android (android.graphics.Color)	4288277203 (0xFF99EAD3)
YUV	207.1590, 1.8936, -47.4974
Hunter-Lab	83.8577, -31.1112, 7.5606

Details

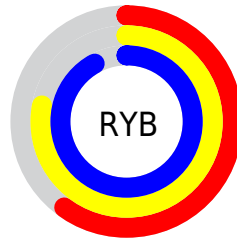
The Yxy color **70.3211, 0.2758, 0.3570** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.4359, 0.3711, 0.3031**, and the grayscale version is **62.5230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **36.8718, 0.2664, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **67.9378, 0.2672, 0.3666**, and if you desaturate by 10%, it is **73.1704, 0.2856, 0.3480**.

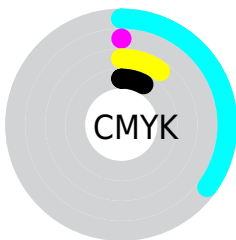
Distribution



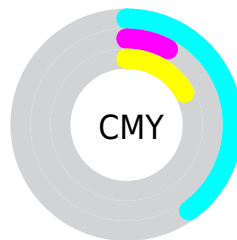
- Red (60%)
- Green (92%)
- Blue (83%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)





- Cyan (40%)
- Magenta (8%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3211, 0.2758, 0.3570 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 70.3211, 0.2758, 0.3570 by changing the saturation by 10% instead.

 70.3211, 0.2758,
0.3570


 70.3211, 0.2758,
0.3570


461.6766, 0.2930,
0.3438

 51.7884, 0.2718,
0.3601


 119.6666, 0.2818,
0.3524

 36.8364, 0.2669,
0.3639


 151.2480, 0.2841,
0.3506

 25.0808, 0.2606,
0.3689


187.9479, 0.2861,
0.3490

 16.1373, 0.2524,
0.3754

230.1505, 0.2879,
0.3477

 9.6214, 0.2410,
0.3845

278.2403, 0.2894,
0.3465

 5.1486, 0.2245,
0.3980

332.6017, 0.2908,

 2.3347, 0.1985,

0.3455

0.4199

393.6190, 0.2920,
0.3446

0.7920, 0.0195,
0.5467

0.0000, 0.0000,
0.0000

70.3211, 0.2758,
0.3570

70.3211, 0.2758,
0.3570

67.9378, 0.2672,
0.3666

73.1704, 0.2856,
0.3480

65.9856, 0.2601,
0.3768


76.5014, 0.2962,
0.3397

64.4382, 0.2548,
0.3874


80.3395, 0.3074,
0.3322

63.2629, 0.2514,
0.3982


84.7057, 0.3190,
0.3254

 62.4217, 0.2501,
0.4091

 86.6485, 0.3204,
0.3190

 61.8681, 0.2507,
0.4198

 87.0605, 0.3162,
0.3126

 61.6493, 0.2516,
0.4256

 87.3217, 0.3137,
0.3088

Harmonies

Analogous

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



70.3211, 0.3096, 0.3848



70.3211, 0.2758, 0.3570



70.3211, 0.2527, 0.3217

Triad

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



70.3211, 0.2758, 0.3570



70.3211, 0.2780, 0.2701



70.3211, 0.3854, 0.3606

Complementary

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



70.3211, 0.2758, 0.3570



43.4359, 0.3711, 0.3031

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.



70.3211, 0.3764, 0.3310



70.3211, 0.2758, 0.3570



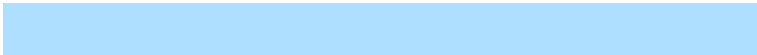
70.3211, 0.3126, 0.2808

Square

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



70.3211, 0.2758, 0.3570



70.3211, 0.2539, 0.2733



70.3211, 0.3491, 0.3026



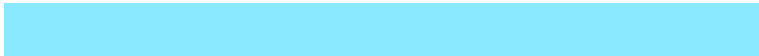
70.3211, 0.3736, 0.3844

Rectangle

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



70.3211, 0.2758, 0.3570



70.3211, 0.2457, 0.3002



70.3211, 0.3491, 0.3026



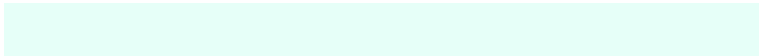
70.3211, 0.3847, 0.3510

Sweetspot

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



70.3239, 0.2758, 0.3570



95.0222, 0.3012, 0.3362



70.5324, 0.3238, 0.4278



20.1999, 0.2997, 0.3373



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.



70.3239, 0.2758, 0.3570



83.4983, 0.2700, 0.3633



62.7638, 0.2613, 0.3093



17.0446, 0.3019, 0.3358



34.6686, 0.2511, 0.4239



2.7387, 0.2470, 0.4091

Inverse Universe

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



43.4359, 0.3711, 0.3031



46.5189, 0.3875, 0.2981



48.2659, 0.3884, 0.3477



15.1245, 0.3248, 0.3223



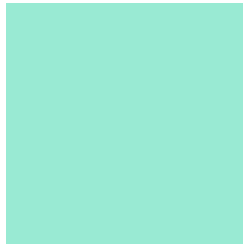
10.0730, 0.5814, 0.2976



0.8070, 0.5420, 0.2759

Previews

White Background



This preview shows how the Yxy color 70.3211, 0.2758, 0.3570 looks on a white background.

Color Contrast Check

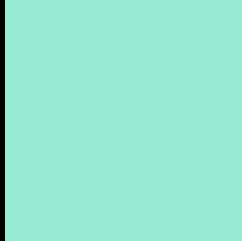
Large Text (above 18pt) WCAG AA × Fail

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 70.3211, 0.2758, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

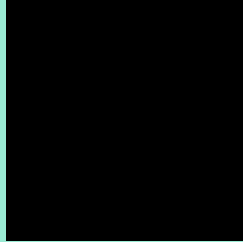
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

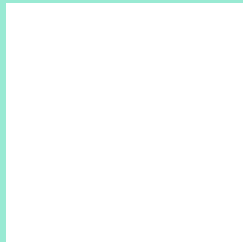
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3211, 0.2758, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 70.3211, 0.2758, 0.3570.

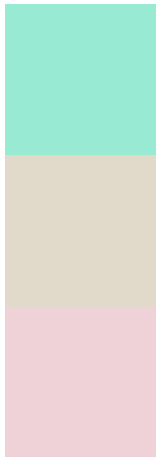


This preview shows how white text looks on a background with the Yxy color 70.3211, 0.2758, 0.3570.

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

70.3211, 0.2758, 0.3570

Protanopia

69.8503, 0.3296, 0.3467

Deuteranopia

69.4018, 0.3303, 0.3227



Tritanopia

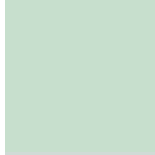
70.3311, 0.2607, 0.3081

Trichromacy



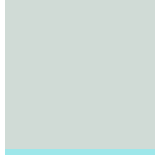
Original Color

70.3211, 0.2758, 0.3570



Protanomaly

69.3252, 0.3076, 0.3498



Deuteranomaly

68.9280, 0.3082, 0.3346



Tritanomaly

70.3614, 0.2660, 0.3253

Monochromacy



Original Color

70.3211, 0.2758, 0.3570



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.7446, 0.2974, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3211, 0.2758, 0.3570 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(153, 234, 211)` looks like.

```
.text, #text, p{  
    color:rgb(153, 234, 211)  
}
```

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(153, 234, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 234, 211) }
```

Border

The CSS property to change the border of an element to Yxy 70.3211, 0.2758, 0.3570 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(153, 234, 211) }
```

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

```
.border{ border-color:rgb(153, 234, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 234, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 234, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 234, 211);  
box-shadow:4px 4px 4px 4px rgb(153, 234,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3211, 0.2758, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 234, 211) }
```

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

```
.background{ background-color: rgb(153,  
234, 211) }
```

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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