

Converting Colors

$Yxy(70.5487, 0.2701, 0.3151)$

Have a look what the booklet for
Yxy(70.5487, 0.2701, 0.3151)
contains.

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Color

Yxy(70.5487, 0.2701, 0.3151)

Conversions

Conversions Part 1

Format	Color
Hex	ACE4F0
RGB	172, 228, 240
RGB Percent	67%, 89%, 94%
CMY	0.3258, 0.1058, 0.0588
CMYK	0.28, 0.05, 0.00, 0.06
HSL	191°, 69%, 81%
HSV	191°, 28%, 94%
XYZ	60.4735, 70.5487, 92.8708
YIQ	212.6240, -37.2280, -8.1400

Conversions

Conversions Part 2

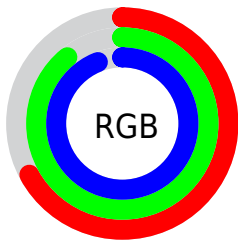
Format	Color
R _Y B	172, 203, 240
Decimal	11330800
CIE Lab	87.27, -15.07, -11.63
CIE LCh	87, 19.031, 217.663
Yxy	70.5487, 0.2701, 0.3151
Android (android.graphics.Color)	4289520880 (0xFFACE4F0)
YUV	212.6240, 13.4964, -35.6272
Hunter-Lab	83.9933, -18.4717, -6.7613

Details

The Yxy color **70.5487, 0.2701, 0.3151** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.7488, 0.3716, 0.3424**, and the grayscale version is **66.1952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **37.1994, 0.2607, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **65.7810, 0.2565, 0.3094**, and if you desaturate by 10%, it is **75.8692, 0.2846, 0.3204**.

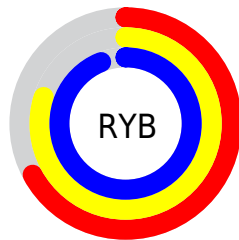
Distribution



Red (67%)

Green (89%)

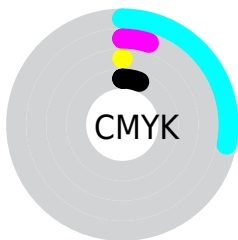
Blue (94%)



Red (67%)

Yellow (80%)

Blue (94%)

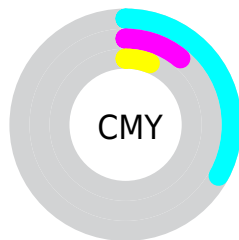


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (6%)



Cyan (33%)

Magenta (11%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5487, 0.2701, 0.3151 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 70.5487, 0.2701, 0.3151 by changing the saturation by 10% instead.

70.5487, 0.2701,
0.3151

70.5487, 0.2701,
0.3151

462.4742, 0.2896,
0.3219

51.9740, 0.2657,
0.3135

119.9909, 0.2768,
0.3175

36.9843, 0.2603,
0.3114

151.6272, 0.2795,
0.3184

25.1954, 0.2534,
0.3087

188.3861, 0.2817,
0.3192

16.2227, 0.2446,
0.3052

230.6521, 0.2837,
0.3199

9.6819, 0.2327,
0.3001

278.8095, 0.2855,
0.3205

5.1885, 0.2159,
0.2924

333.2427, 0.2870,

2.3583, 0.1905,

0.3210

0.2797

394.3362, 0.2884,
0.3215

0.8043, 0.1285,
0.2606

0.0000, 0.0000,
0.0000

70.5487, 0.2701,
0.3151

70.5487, 0.2701,
0.3151

65.7810, 0.2565,
0.3094

75.8692, 0.2846,
0.3204

61.5307, 0.2442,
0.3035

81.7589, 0.2998,
0.3253

57.7715, 0.2334,
0.2973

88.2438, 0.3153,
0.3297

54.4707, 0.2245,
0.2909

92.8096, 0.3222,
0.3338

■ 51.5915, 0.2174,
0.2845

■ 95.3949, 0.3219,
0.3379

■ 49.0902, 0.2123,
0.2781

■ 98.0389, 0.3216,
0.3419

■ 46.9051, 0.2090,
0.2718

■ 99.0716, 0.3214,
0.3434

■ 46.5634, 0.2086,
0.2708

Harmonies

Analogous

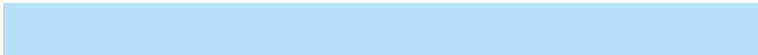
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5487, 0.2810, 0.3366



70.5487, 0.2701, 0.3151



70.5487, 0.2701, 0.2985

Triad

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



70.5487, 0.2701, 0.3151



70.5487, 0.3241, 0.3035



70.5487, 0.3444, 0.3687

Complementary

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



70.5487, 0.2701, 0.3151



55.7488, 0.3716, 0.3424

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.



70.5487, 0.3570, 0.3579



70.5487, 0.2701, 0.3151



70.5487, 0.3451, 0.3206

Square

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



70.5487, 0.2701, 0.3151



70.5487, 0.3006, 0.2927



70.5487, 0.3573, 0.3402



70.5487, 0.3236, 0.3686

Rectangle

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



70.5487, 0.2701, 0.3151



70.5487, 0.2763, 0.2922



70.5487, 0.3573, 0.3402



70.5487, 0.3498, 0.3661

Sweetspot

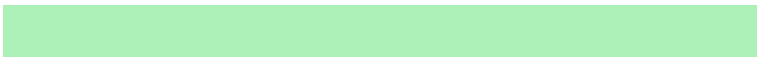
The Sweet Spot groups the original color and five complimentary colors.



70.5515, 0.2701, 0.3151



93.3529, 0.2988, 0.3249



74.5165, 0.3024, 0.3972



19.7626, 0.2965, 0.3243



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.



70.5515, 0.2701, 0.3151



77.7414, 0.2622, 0.3119



53.9157, 0.2659, 0.2748



17.4278, 0.2981, 0.3247



25.6648, 0.2088, 0.2718



2.2579, 0.2112, 0.2801

Inverse Universe

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



53.6075, 0.3256, 0.2699



55.6516, 0.3288, 0.2578



71.2897, 0.3618, 0.3778



15.9808, 0.3165, 0.3098



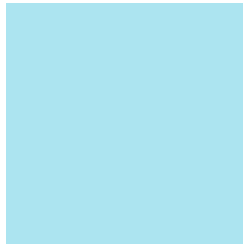
12.3842, 0.3711, 0.1818



1.0426, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 70.5487, 0.2701, 0.3151 looks on a white background.

Color Contrast Check

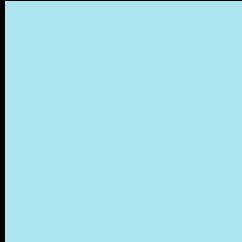
Large Text (above 18pt) WCAG AA × Fail

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 70.5487, 0.2701, 0.3151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

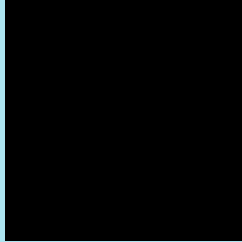
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5487, 0.2701, 0.3151

Background



This preview shows how black text looks on a background with the Yxy color 70.5487, 0.2701, 0.3151.

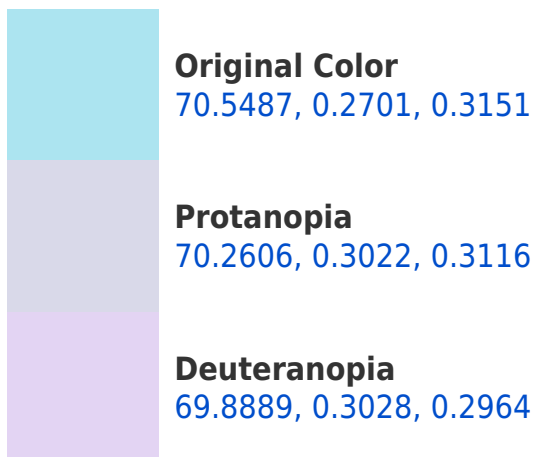


This preview shows how white text looks on a background with the Yxy color 70.5487, 0.2701, 0.3151.

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

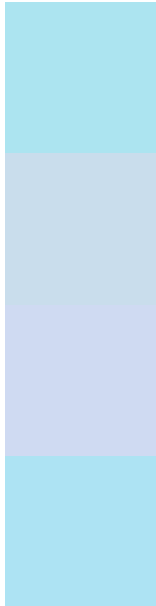




Tritanopia

70.4150, 0.2679, 0.3084

Trichromacy



Original Color

70.5487, 0.2701, 0.3151

Protanomaly

70.1865, 0.2896, 0.3123

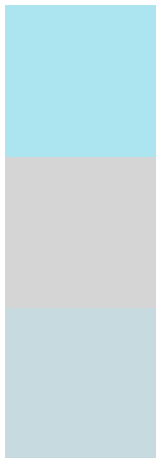
Deuteranomaly

69.8190, 0.2898, 0.3028

Tritanomaly

70.2935, 0.2690, 0.3106

Monochromacy



Original Color

70.5487, 0.2701, 0.3151

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.4763, 0.2955, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5487, 0.2701, 0.3151 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(172, 228, 240)` looks like.

```
.text, #text, p{  
    color:rgb(172, 228, 240)  
}
```

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(172, 228, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 228, 240) }
```

Border

The CSS property to change the border of an element to Yxy 70.5487, 0.2701, 0.3151 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(172, 228, 240) }
```

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

```
.border{ border-color:rgb(172, 228, 240) }
```

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

Here you see how a box with a 4 pixel rgb(172, 228, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 228, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 228, 240);  
box-shadow:4px 4px 4px 4px rgb(172, 228,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5487, 0.2701, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 228, 240) }
```

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

```
.background{ background-color: rgb(172,  
228, 240) }
```

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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