

Converting Colors

$Yxy(70.4075, 0.2734, 0.3423)$

Have a look what the booklet for
Yxy(70.4075, 0.2734, 0.3423)
contains.

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Color

Yxy(70.3046, 0.2735, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	9FE8DD
RGB	159, 232, 221
RGB Percent	62%, 91%, 87%
CMY	0.3764, 0.0902, 0.1334
CMYK	0.31, 0.00, 0.05, 0.09
HSL	171°, 61%, 77%
HSV	171°, 31%, 91%
XYZ	56.2067, 70.3046, 78.9976
YIQ	208.9190, -39.9770, -18.8970

Conversions

Conversions Part 2

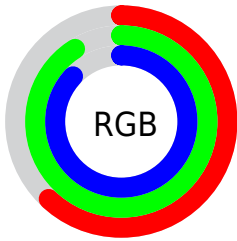
Format	Color
RYB	159, 198, 232
Decimal	10479837
CIELab	87.15, -24.91, -1.88
CIELCh	87, 24.984, 184.306
Yxy	70.3046, 0.2735, 0.3421
Android (android.graphics.Color)	4288669917 (0xFF9FE8DD)
YUV	208.9190, 5.9559, -43.7790
Hunter-Lab	83.8478, -27.0778, 2.8331

Details

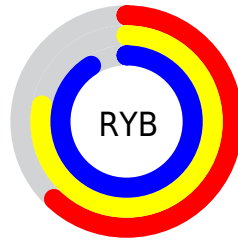
The Yxy color **70.3046, 0.2735, 0.3421** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.8656, 0.3735, 0.3166**, and the grayscale version is **63.6889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **36.7469, 0.2639, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **67.9686, 0.2632, 0.3469**, and if you desaturate by 10%, it is **73.0953, 0.2850, 0.3376**.

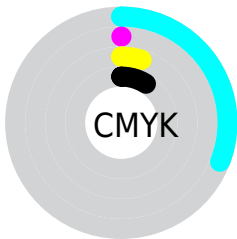
Distribution



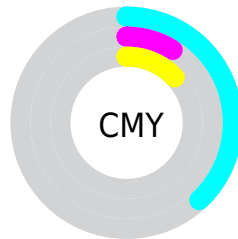
- Red (62%)
- Green (91%)
- Blue (87%)



- Red (62%)
- Yellow (78%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)




- Cyan (38%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3046, 0.2735, 0.3421 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 70.3046, 0.2735, 0.3421 by changing the saturation by 10% instead.

 70.3046, 0.2735,
0.3421


 70.3046, 0.2735,
0.3421


461.6188, 0.2917,
0.3361

 51.7749, 0.2694,
0.3434


 119.6430, 0.2798,
0.3400

 36.8257, 0.2642,
0.3451


 151.2206, 0.2822,
0.3392

 25.0726, 0.2578,
0.3471

187.9161, 0.2844,
0.3386

 16.1311, 0.2493,
0.3498

230.1142, 0.2862,
0.3379

 9.6170, 0.2378,
0.3534

278.1991, 0.2878,
0.3374

 5.1458, 0.2212,
0.3583

332.5552, 0.2892,

 2.3330, 0.1956,

0.3369

0.3657

393.5670, 0.2905,
0.3365

0.7911, 0.0746,
0.4104

0.0000, 0.0000,
0.0000

70.3046, 0.2735,
0.3421

70.3046, 0.2735,
0.3421

67.9686, 0.2632,
0.3469

73.0953, 0.2850,
0.3376

66.0539, 0.2545,
0.3520

76.3552, 0.2976,
0.3334

64.5358, 0.2475,
0.3573

80.1086, 0.3108,
0.3295

63.3836, 0.2425,
0.3627

84.3757, 0.3244,
0.3261

■ 62.5621, 0.2394,
0.3681

■ 85.1772, 0.3243,
0.3227

■ 62.0292, 0.2382,
0.3735

■ 85.3858, 0.3220,
0.3192

■ 61.7437, 0.2383,
0.3780

■ 85.5985, 0.3198,
0.3159

■ 85.8152, 0.3175,
0.3125

■ 86.0360, 0.3153,
0.3092

Harmonies

Analogous

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



70.3046, 0.2995, 0.3683



70.3046, 0.2735, 0.3421



70.3046, 0.2581, 0.3132

Triad

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



70.3046, 0.2735, 0.3421



70.3046, 0.2934, 0.2811



70.3046, 0.3719, 0.3640

Complementary

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



70.3046, 0.2735, 0.3421



44.8656, 0.3735, 0.3166

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.



70.3046, 0.3705, 0.3402



70.3046, 0.2735, 0.3421



70.3046, 0.3240, 0.2939

Square

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



70.3046, 0.2735, 0.3421



70.3046, 0.2692, 0.2796



70.3046, 0.3527, 0.3150



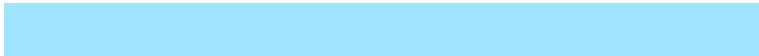
70.3046, 0.3567, 0.3801

Rectangle

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



70.3046, 0.2735, 0.3421



70.3046, 0.2555, 0.2971



70.3046, 0.3527, 0.3150



70.3046, 0.3734, 0.3566

Sweetspot

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



70.3074, 0.2735, 0.3421



95.6829, 0.3007, 0.3324



68.8978, 0.3164, 0.4195



20.3410, 0.2988, 0.3330



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.



70.3074, 0.2735, 0.3421



85.1120, 0.2664, 0.3453



58.1543, 0.2642, 0.2992



16.2970, 0.3002, 0.3326



34.2919, 0.2381, 0.3771



2.5442, 0.2359, 0.3693

Inverse Universe

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



44.8656, 0.3735, 0.3166



48.7549, 0.3927, 0.3138



53.6725, 0.3759, 0.3568



14.4033, 0.3269, 0.3255



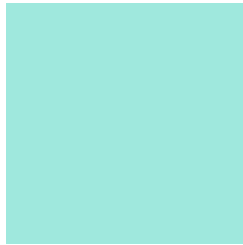
9.6032, 0.6187, 0.3182



0.7207, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 70.3046, 0.2735, 0.3421 looks on a white background.

Color Contrast Check

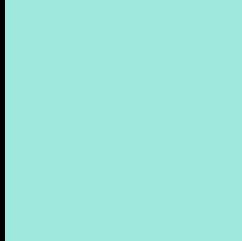
Large Text (above 18pt) WCAG AA × Fail

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 70.3046, 0.2735, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

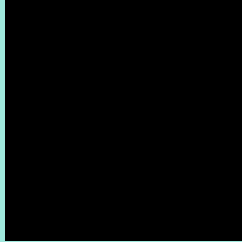
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

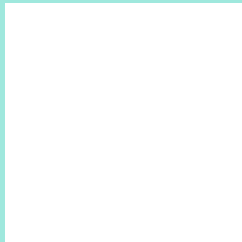
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3046, 0.2735, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 70.3046, 0.2735, 0.3421.

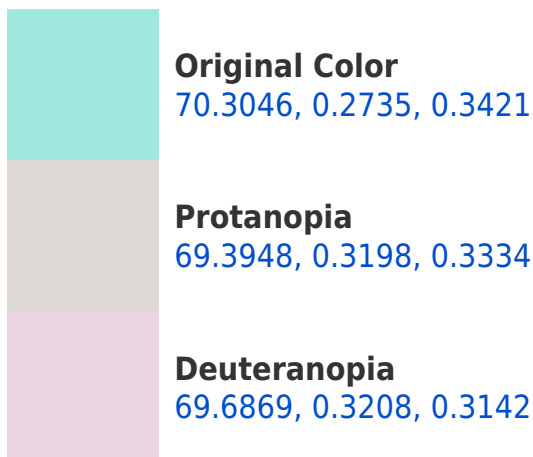


This preview shows how white text looks on a background with the Yxy color 70.3046, 0.2735, 0.3421.

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

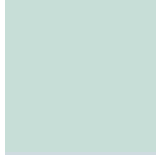
70.1400, 0.2632, 0.3082

Trichromacy



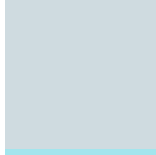
Original Color

70.3046, 0.2735, 0.3421



Protanomaly

69.2910, 0.3012, 0.3370



Deuteranomaly

69.3103, 0.3010, 0.3234



Tritanomaly

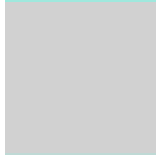
69.9396, 0.2668, 0.3195

Monochromacy



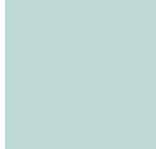
Original Color

70.3046, 0.2735, 0.3421



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.5062, 0.2970, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3046, 0.2735, 0.3421 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(159, 232, 221)` looks like.

```
.text, #text, p{  
    color:rgb(159, 232, 221)  
}
```

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(159, 232, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 232, 221) }
```

Border

The CSS property to change the border of an element to Yxy 70.3046, 0.2735, 0.3421 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(159, 232, 221) }
```

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

```
.border{ border-color:rgb(159, 232, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 232, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 232, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 232, 221); box-shadow:4px 4px 4px 4px rgb(159, 232, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3046, 0.2735, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 232, 221) }
```

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

```
.background{ background-color: rgb(159,  
232, 221) }
```

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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