

Converting Colors

$Yxy(70.3131, 0.2609, 0.3183)$

Have a look what the booklet for
Yxy(70.3131, 0.2609, 0.3183)
contains.

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Color

Yxy(70.3131, 0.2609, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	9AE7F0
RGB	154, 231, 240
RGB Percent	60%, 91%, 94%
CMY	0.3959, 0.0941, 0.0589
CMYK	0.36, 0.04, 0.00, 0.06
HSL	186°, 74%, 77%
HSV	186°, 36%, 94%
XYZ	57.6333, 70.3131, 92.9556
YIQ	209.0030, -48.7810, -13.5250

Conversions

Conversions Part 2

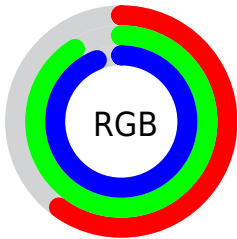
Format	Color
RYB	154, 195, 240
Decimal	10151920
CIELab	87.15, -21.41, -11.88
CIELCh	87, 24.487, 209.034
Yxy	70.3131, 0.2609, 0.3183
Android (android.graphics.Color)	4288342000 (0xFF9AE7F0)
YUV	209.0030, 15.2815, -48.2376
Hunter-Lab	83.8529, -24.0569, -7.0292

Details

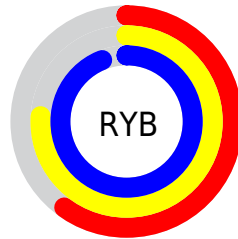
The Yxy color **70.3131, 0.2609, 0.3183** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0585, 0.3956, 0.3393**, and the grayscale version is **63.6912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **36.7173, 0.2488, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **66.7973, 0.2490, 0.3149**, and if you desaturate by 10%, it is **74.3253, 0.2742, 0.3216**.

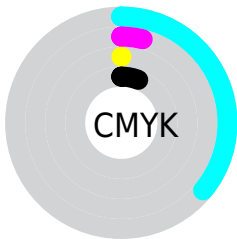
Distribution



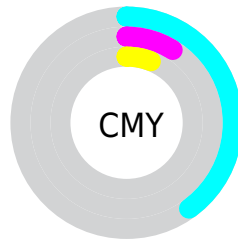
- Red (60%)
- Green (91%)
- Blue (94%)



- Red (60%)
- Yellow (76%)
- Blue (94%)



- Cyan (36%)
- Magenta (4%)
- Yellow (0%)
- Black (6%)





- Cyan (40%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3131, 0.2609, 0.3183 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 70.3131, 0.2609, 0.3183 by changing the saturation by 10% instead.


 70.3131, 0.2609,
0.3183

 70.3131, 0.2609,
0.3183


461.6486, 0.2846,
0.3238

 51.7818, 0.2556,
0.3169


 119.6551, 0.2691,
0.3203

 36.8312, 0.2490,
0.3152


 151.2347, 0.2722,
0.3210

 25.0768, 0.2408,
0.3129


187.9325, 0.2750,
0.3217

 16.1343, 0.2302,
0.3097

230.1329, 0.2774,
0.3222

 9.6192, 0.2160,
0.3051

278.2203, 0.2795,
0.3227

 5.1472, 0.1962,
0.2979

332.5792, 0.2814,

 2.3339, 0.1667,

0.3231

393.5938, 0.2831,
0.3235

0.2855

0.7916, 0.0789,
0.2718

0.0000, 0.0000,
0.0000

70.3131, 0.2609,
0.3183

70.3131, 0.2609,
0.3183

66.7973, 0.2490,
0.3149

74.3253, 0.2742,
0.3216

63.7412, 0.2387,
0.3113

78.8516, 0.2886,
0.3246

61.1164, 0.2302,
0.3077

83.9187, 0.3037,
0.3275

58.8875, 0.2236,
0.3040

89.5491, 0.3193,
0.3301

■ 57.0133, 0.2190,
0.3003

■ 91.9740, 0.3224,
0.3325

■ 55.4427, 0.2162,
0.2968

■ 93.4897, 0.3222,
0.3349

■ 54.8414, 0.2154,
0.2953

■ 95.0260, 0.3220,
0.3373

■ 96.5830, 0.3218,
0.3397

■ 98.1607, 0.3216,
0.3421

Harmonies

Analogous

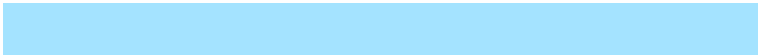
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3131, 0.2781, 0.3468



70.3131, 0.2609, 0.3183



70.3131, 0.2569, 0.2947

Triad

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



70.3131, 0.2609, 0.3183



70.3131, 0.3184, 0.2917



70.3131, 0.3595, 0.3772

Complementary

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



70.3131, 0.2609, 0.3183



47.0585, 0.3956, 0.3393

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.



70.3131, 0.3717, 0.3596



70.3131, 0.2609, 0.3183



70.3131, 0.3475, 0.3113

Square

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



70.3131, 0.2609, 0.3183



70.3131, 0.2890, 0.2809



70.3131, 0.3674, 0.3356



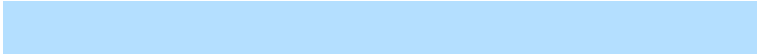
70.3131, 0.3348, 0.3821

Rectangle

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



70.3131, 0.2609, 0.3183



70.3131, 0.2621, 0.2846



70.3131, 0.3674, 0.3356



70.3131, 0.3652, 0.3724

Sweetspot

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



70.3159, 0.2609, 0.3183



93.2068, 0.2957, 0.3260



71.8139, 0.3030, 0.4261



19.7824, 0.2937, 0.3256



0.0000, 0.0000, 0.0000



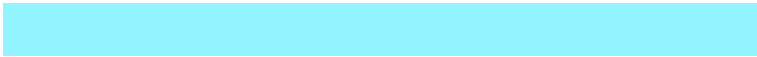
21.4041, 0.3127, 0.3290

Same Dimension

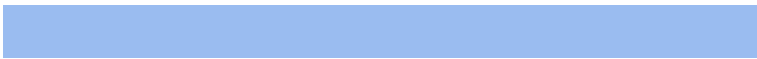
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3159, 0.2609, 0.3183



77.6975, 0.2520, 0.3158



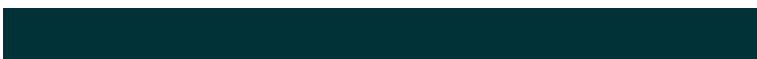
49.3091, 0.2535, 0.2652



17.6302, 0.2981, 0.3265



30.1433, 0.2155, 0.2958



2.5881, 0.2168, 0.3006

Inverse Universe

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



47.4163, 0.3245, 0.2485



48.1218, 0.3274, 0.2328



64.8088, 0.3788, 0.3851



16.0013, 0.3154, 0.3081



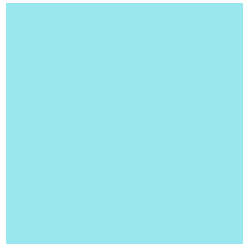
12.8363, 0.3491, 0.1697



1.0760, 0.3449, 0.1674

Previews

White Background



This preview shows how the Yxy color 70.3131, 0.2609, 0.3183 looks on a white background.

Color Contrast Check

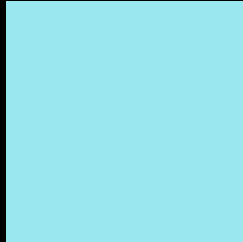
Large Text (above 18pt) WCAG AA × Fail

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 70.3131, 0.2609, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

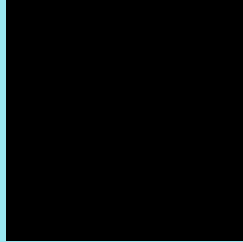
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

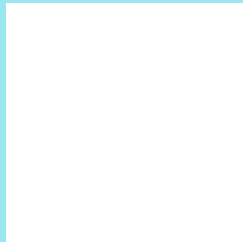
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3131, 0.2609, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 70.3131, 0.2609, 0.3183.

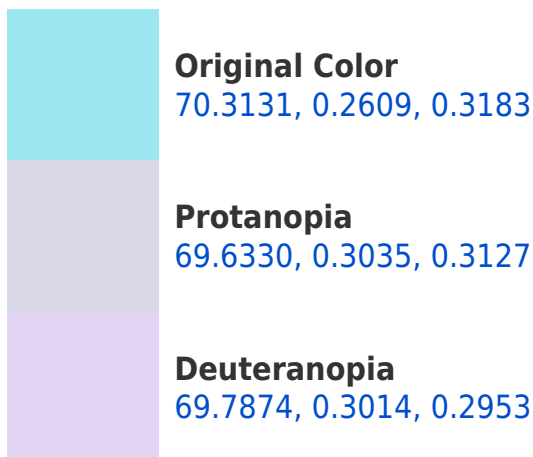


This preview shows how white text looks on a background with the Yxy color 70.3131, 0.2609, 0.3183.

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

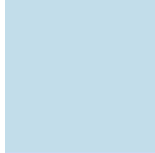
70.4389, 0.2578, 0.3080

Trichromacy



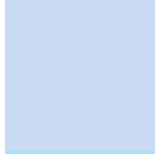
Original Color

70.3131, 0.2609, 0.3183



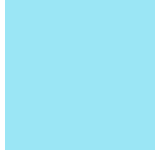
Protanomaly

69.1227, 0.2862, 0.3143



Deuteranomaly

69.4135, 0.2847, 0.3025



Tritanomaly

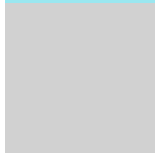
70.1548, 0.2587, 0.3114

Monochromacy



Original Color

70.3131, 0.2609, 0.3183



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.6118, 0.2912, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3131, 0.2609, 0.3183 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(154, 231, 240)` looks like.

```
.text, #text, p{  
    color:rgb(154, 231, 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(154, 231, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 231, 240) }
```

Border

The CSS property to change the border of an element to Yxy 70.3131, 0.2609, 0.3183 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(154, 231, 240) }
```

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

```
.border{ border-color:rgb(154, 231, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 231, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 231, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 231, 240);  
box-shadow:4px 4px 4px 4px rgb(154, 231,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3131, 0.2609, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 231, 240) }
```

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

```
.background{ background-color: rgb(154,  
231, 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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