

Converting Colors

$Yxy(70.5317, 0.2535, 0.3062)$

Have a look what the booklet for
Yxy(70.5317, 0.2535, 0.3062)
contains.

Yxy(70.5064, 0.2531, 0.3056)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.5064, 0.2531, 0.3056)

Conversions

Conversions Part 1

Format	Color
Hex	95E7FB
RGB	149, 231, 251
RGB Percent	58%, 91%, 98%
CMY	0.4154, 0.0942, 0.0156
CMYK	0.41, 0.08, 0.00, 0.02
HSL	192°, 93%, 78%
HSV	192°, 41%, 98%
XYZ	58.3939, 70.5064, 101.8144
YIQ	208.7620, -55.2920, -11.1640

Conversions

Conversions Part 2

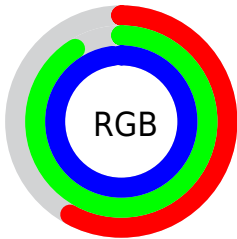
Format	Color
RYB	149, 194, 251
Decimal	9824251
CIELab	87.24, -19.96, -17.57
CIELCh	87, 26.592, 221.346
Yxy	70.5064, 0.2531, 0.3056
Android (android.graphics.Color)	4288014331 (0xFF95E7FB)
YUV	208.7620, 20.8233, -52.4113
Hunter-Lab	83.9681, -22.8100, -13.1136

Details

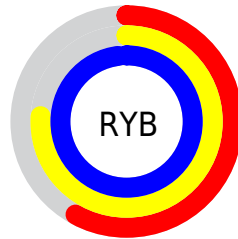
The Yxy color **70.5064, 0.2531, 0.3056** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.0973, 0.4078, 0.3507**, and the grayscale version is **63.4974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **36.8303, 0.2399, 0.2997** is the 20% darker color. If you saturate the color by 10%, you get **65.6740, 0.2409, 0.2988**, and if you desaturate by 10%, it is **75.9309, 0.2666, 0.3120**.

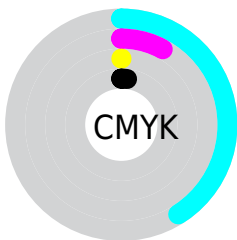
Distribution



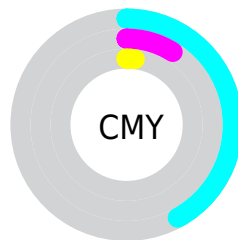
- Red (58%)
- Green (91%)
- Blue (98%)



- Red (58%)
- Yellow (76%)
- Blue (98%)



- Cyan (41%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)




- Cyan (42%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5064, 0.2531, 0.3056 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 70.5064, 0.2531, 0.3056 by changing the saturation by 10% instead.

 70.5064, 0.2531,
0.3056

 70.5064, 0.2531,
0.3056


462.3261, 0.2802,
0.3171

 51.9395, 0.2471,
0.3029


 119.9306, 0.2624,
0.3097

 36.9568, 0.2397,
0.2994


 151.5567, 0.2660,
0.3112

 25.1741, 0.2304,
0.2949


188.3047, 0.2692,
0.3126

 16.2068, 0.2186,
0.2889

230.5589, 0.2719,
0.3137

 9.6706, 0.2029,
0.2805

278.7037, 0.2744,
0.3147

 5.1811, 0.1814,
0.2681

333.1236, 0.2765,

 2.3539, 0.1502,

0.3156

0.2479

394.2029, 0.2785,
0.3164

0.8020, 0.0746,
0.2177

0.0000, 0.0000,
0.0000

70.5064, 0.2531,
0.3056

70.5064, 0.2531,
0.3056

65.6740, 0.2409,
0.2988

75.9309, 0.2666,
0.3120

61.3918, 0.2302,
0.2918

81.9700, 0.2811,
0.3181

57.6252, 0.2214,
0.2846

88.6548, 0.2963,
0.3236

54.3311, 0.2145,
0.2773

96.0116, 0.3118,
0.3287

■ 51.4585, 0.2096,
0.2701

■ 99.7464, 0.3150,
0.3328

■ 49.0693, 0.2065,
0.2634

Harmonies

Analogous

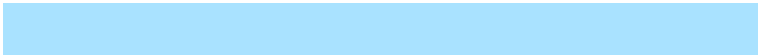
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5064, 0.2660, 0.3355



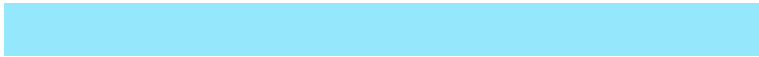
70.5064, 0.2531, 0.3056



70.5064, 0.2551, 0.2844

Triad

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



70.5064, 0.2531, 0.3056



70.5064, 0.3323, 0.2964



70.5064, 0.3536, 0.3854

Complementary

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



70.5064, 0.2531, 0.3056



51.0973, 0.4078, 0.3507

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.



70.5064, 0.3733, 0.3711



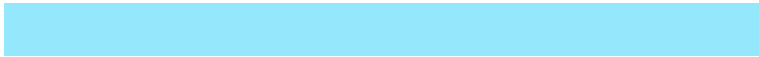
70.5064, 0.2531, 0.3056



70.5064, 0.3610, 0.3202

Square

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



70.5064, 0.2531, 0.3056



70.5064, 0.2994, 0.2805



70.5064, 0.3763, 0.3470



70.5064, 0.3234, 0.3840

Rectangle

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



70.5064, 0.2531, 0.3056



70.5064, 0.2646, 0.2772



70.5064, 0.3763, 0.3470



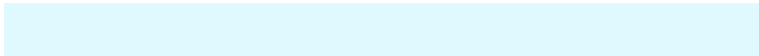
70.5064, 0.3617, 0.3822

Sweetspot

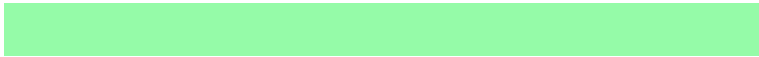
The Sweet Spot groups the original color and five complimentary colors.



70.5091, 0.2531, 0.3056



90.8754, 0.2941, 0.3229



78.2216, 0.2975, 0.4313



19.2516, 0.2921, 0.3222



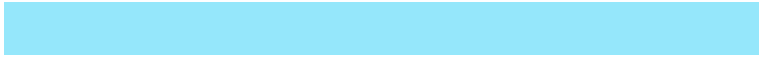
0.0000, 0.0000, 0.0000



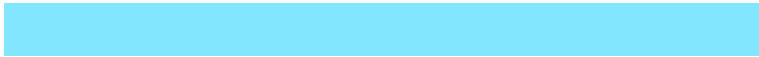
21.4041, 0.3127, 0.3290

Same Dimension

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



70.5091, 0.2531, 0.3056



68.8155, 0.2427, 0.2999



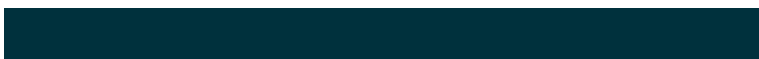
46.5536, 0.2433, 0.2440



18.9951, 0.2980, 0.3242



25.9970, 0.2069, 0.2646



2.5505, 0.2092, 0.2732

Inverse Universe

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



47.7983, 0.3346, 0.2462



42.9772, 0.3405, 0.2302



73.2104, 0.3861, 0.4010



17.4627, 0.3168, 0.3101



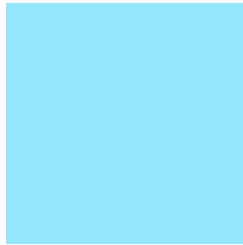
13.0353, 0.3779, 0.1856



1.2217, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 70.5064, 0.2531, 0.3056 looks on a white background.

Color Contrast Check

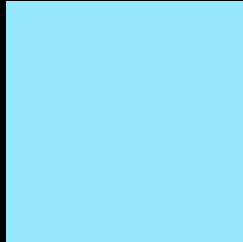
Large Text (above 18pt) WCAG AA × Fail

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 70.5064, 0.2531, 0.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

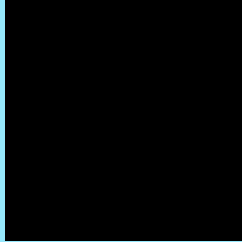
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5064, 0.2531, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 70.5064, 0.2531, 0.3056.

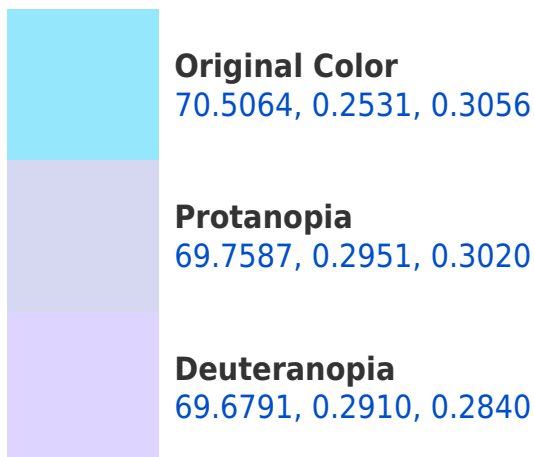


This preview shows how white text looks on a background with the Yxy color 70.5064, 0.2531, 0.3056.

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

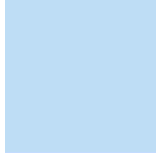
70.4435, 0.2536, 0.3068

Trichromacy



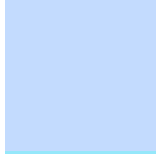
Original Color

70.5064, 0.2531, 0.3056



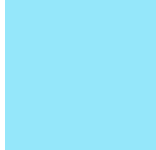
Protanomaly

69.2526, 0.2773, 0.3021



Deuteranomaly

69.4209, 0.2752, 0.2906



Tritanomaly

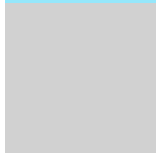
70.4435, 0.2536, 0.3068

Monochromacy



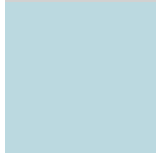
Original Color

70.5064, 0.2531, 0.3056



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.5723, 0.2875, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5064, 0.2531, 0.3056 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(149, 231, 251)` looks like.

```
.text, #text, p{  
    color:rgb(149, 231, 251)  
}
```

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(149, 231, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 231, 251) }
```

Border

The CSS property to change the border of an element to Yxy 70.5064, 0.2531, 0.3056 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(149, 231, 251) }
```

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

```
.border{ border-color:rgb(149, 231, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 231, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 231, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 231, 251);  
box-shadow:4px 4px 4px 4px rgb(149, 231,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5064, 0.2531, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 231, 251) }
```

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

```
.background{ background-color: rgb(149,  
231, 251) }
```

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