

Converting Colors

$Y_{xy}(70.8750, 0.2542, 0.3075)$

Have a look what the booklet for
Yxy(70.8750, 0.2542, 0.3075)
contains.

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Color

Yxy(71.0994, 0.2542, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	96E8FA
RGB	150, 232, 250
RGB Percent	59%, 91%, 98%
CMY	0.4120, 0.0901, 0.0197
CMYK	0.40, 0.07, 0.00, 0.02
HSL	191°, 91%, 78%
HSV	191°, 40%, 98%
XYZ	58.6801, 71.0994, 101.0627
YIQ	209.5340, -54.6500, -11.7860

Conversions

Conversions Part 2

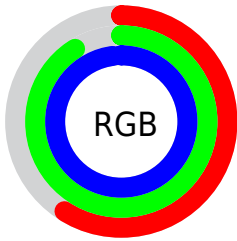
Format	Color
RYB	150, 195, 250
Decimal	9890042
CIELab	87.53, -20.51, -16.59
CIELCh	88, 26.381, 218.957
Yxy	71.0994, 0.2542, 0.3080
Android (android.graphics.Color)	4288080122 (0xFF96E8FA)
YUV	209.5340, 19.9497, -52.2113
Hunter-Lab	84.3205, -23.3395, -12.0380

Details

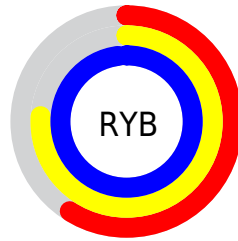
The Yxy color **71.0994, 0.2542, 0.3080** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.4979, 0.4066, 0.3485**, and the grayscale version is **64.0150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **37.2729, 0.2407, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **66.4827, 0.2421, 0.3018**, and if you desaturate by 10%, it is **76.2920, 0.2677, 0.3139**.

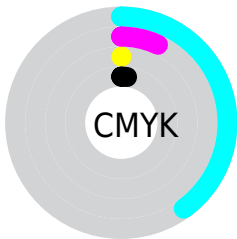
Distribution



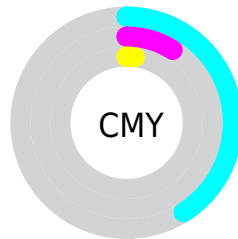
- Red (59%)
- Green (91%)
- Blue (98%)



- Red (59%)
- Yellow (76%)
- Blue (98%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)





- Cyan (41%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.0994, 0.2542, 0.3080 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 71.0994, 0.2542, 0.3080 by changing the saturation by 10% instead.


 71.0994, 0.2542,
0.3080


 71.0994, 0.2542,
0.3080

464.4008, 0.2808,
0.3183

 52.4233, 0.2483,
0.3055

 120.7752, 0.2633,
0.3117

 37.3426, 0.2410,
0.3024


 152.5438, 0.2669,
0.3131

 25.4729, 0.2320,
0.2983


189.4453, 0.2700,
0.3143

 16.4297, 0.2204,
0.2929

231.8642, 0.2727,
0.3153

 9.8287, 0.2050,
0.2852

280.1847, 0.2751,
0.3162

 5.2855, 0.1838,
0.2737

334.7914, 0.2772,

 2.4158, 0.1531,

0.3170

0.2550

396.0687, 0.2791,
0.3177

0.8340, 0.0796,
0.2274

0.0000, 0.0000,
0.0000

71.0994, 0.2542,
0.3080

71.0994, 0.2542,
0.3080

66.4827, 0.2421,
0.3018

76.2920, 0.2677,
0.3139

62.4007, 0.2315,
0.2955

82.0824, 0.2821,
0.3193

58.8193, 0.2228,
0.2889

88.5009, 0.2972,
0.3244

55.6968, 0.2161,
0.2824

95.5736, 0.3127,
0.3290

■ 52.9832, 0.2113,
0.2758

■ 99.3447, 0.3156,
0.3333

■ 50.6005, 0.2082,
0.2694

■ 99.6814, 0.3156,
0.3338

Harmonies

Analogous

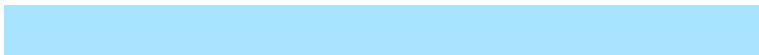
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.0994, 0.2681, 0.3379



71.0994, 0.2542, 0.3080



71.0994, 0.2550, 0.2861

Triad

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



71.0994, 0.2542, 0.3080



71.0994, 0.3296, 0.2951



71.0994, 0.3552, 0.3842

Complementary

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



71.0994, 0.2542, 0.3080



50.4979, 0.4066, 0.3485

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.



71.0994, 0.3736, 0.3690



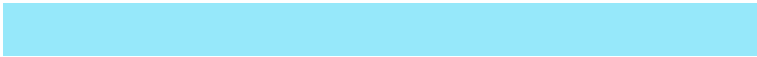
71.0994, 0.2542, 0.3080



71.0994, 0.3586, 0.3182

Square

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



71.0994, 0.2542, 0.3080



71.0994, 0.2971, 0.2802



71.0994, 0.3750, 0.3448



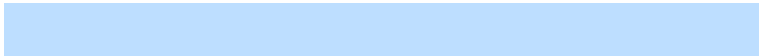
71.0994, 0.3259, 0.3841

Rectangle

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



71.0994, 0.2542, 0.3080



71.0994, 0.2636, 0.2783



71.0994, 0.3750, 0.3448



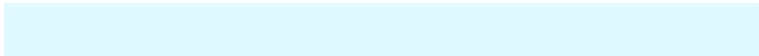
71.0994, 0.3629, 0.3806

Sweetspot

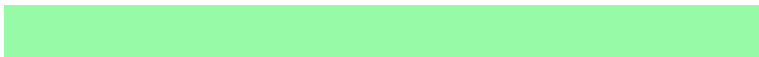
The Sweet Spot groups the original color and five complimentary colors.



71.1022, 0.2542, 0.3080



91.1937, 0.2942, 0.3234



77.6191, 0.2985, 0.4316



19.3268, 0.2922, 0.3228



0.0000, 0.0000, 0.0000



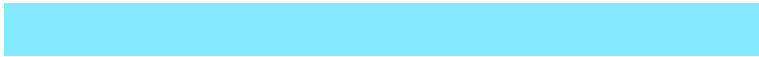
21.4041, 0.3127, 0.3290

Same Dimension

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



71.1022, 0.2542, 0.3080



70.4574, 0.2443, 0.3031



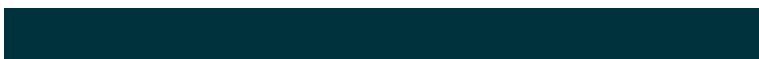
47.3687, 0.2447, 0.2476



19.0469, 0.2980, 0.3246



27.0368, 0.2085, 0.2704



2.6378, 0.2106, 0.2782

Inverse Universe

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



47.9446, 0.3327, 0.2458



43.8095, 0.3379, 0.2303



71.9632, 0.3855, 0.3983



17.4679, 0.3166, 0.3098



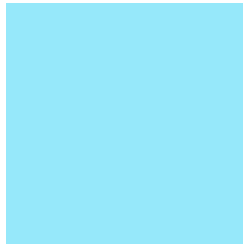
13.1403, 0.3724, 0.1825



1.2305, 0.3651, 0.1785

Previews

White Background



This preview shows how the Yxy color 71.0994, 0.2542, 0.3080 looks on a white background.

Color Contrast Check

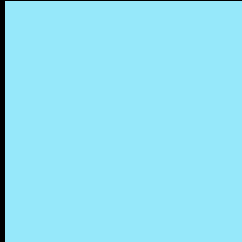
Large Text (above 18pt) WCAG AA × Fail

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 71.0994, 0.2542, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

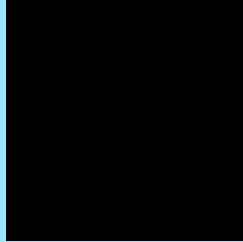
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0994, 0.2542, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 71.0994, 0.2542, 0.3080.

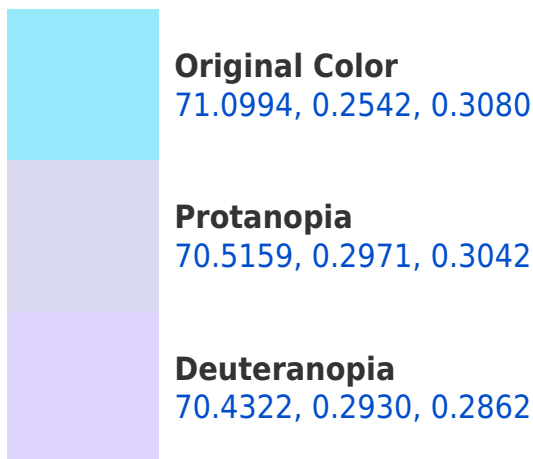


This preview shows how white text looks on a background with the Yxy color 71.0994, 0.2542, 0.3080.

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

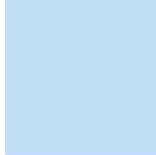
71.1623, 0.2537, 0.3069

Trichromacy



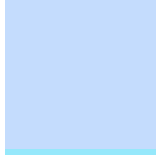
Original Color

71.0994, 0.2542, 0.3080



Protanomaly

69.9807, 0.2792, 0.3044



Deuteranomaly

70.0140, 0.2764, 0.2929



Tritanomaly

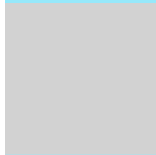
71.1623, 0.2537, 0.3069

Monochromacy



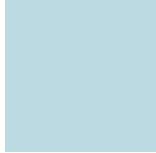
Original Color

71.0994, 0.2542, 0.3080



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.2704, 0.2876, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0994, 0.2542, 0.3080 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(150, 232, 250)` looks like.

```
.text, #text, p{  
    color:rgb(150, 232, 250)  
}
```

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(150, 232, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 232, 250) }
```

Border

The CSS property to change the border of an element to Yxy 71.0994, 0.2542, 0.3080 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(150, 232, 250) }
```

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

```
.border{ border-color:rgb(150, 232, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 232, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 232, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 232, 250);  
box-shadow:4px 4px 4px 4px rgb(150, 232,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0994, 0.2542, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 232, 250) }
```

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

```
.background{ background-color: rgb(150,  
232, 250) }
```

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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