

Converting Colors

$Y_{xy}(70.0198, 0.2572, 0.3102)$

Have a look what the booklet for
Yxy(70.0198, 0.2572, 0.3102)
contains.

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Color

Yxy(70.0198, 0.2572, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	99E6F6
RGB	153, 230, 246
RGB Percent	60%, 90%, 96%
CMY	0.4003, 0.0980, 0.0353
CMYK	0.38, 0.06, 0.00, 0.04
HSL	190°, 84%, 78%
HSV	190°, 38%, 96%
XYZ	58.0564, 70.0198, 97.6485
YIQ	208.8010, -51.0280, -11.3480

Conversions

Conversions Part 2

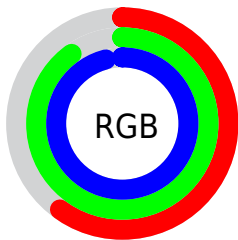
Format	Color
R _Y B	153, 195, 246
Decimal	10086134
CIE _{Lab}	87.01, -19.76, -15.27
CIE _{LCh}	87, 24.973, 217.703
Yxy	70.0198, 0.2572, 0.3102
Android (android.graphics.Color)	4288276214 (0xFF99E6F6)
YUV	208.8010, 18.3391, -48.9375
Hunter-Lab	83.6778, -22.5914, -10.6144

Details

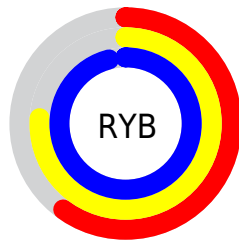
The Yxy color **70.0198, 0.2572, 0.3102** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.2308, 0.3997, 0.3467**, and the grayscale version is **63.5174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **36.5312, 0.2444, 0.3041** is the 20% darker color. If you saturate the color by 10%, you get **65.5487, 0.2448, 0.3044**, and if you desaturate by 10%, it is **75.0467, 0.2708, 0.3157**.

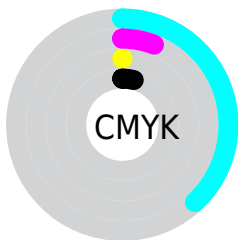
Distribution



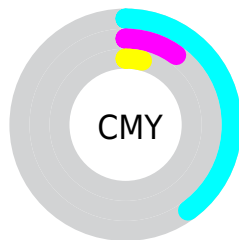
- Red (60%)
- Green (90%)
- Blue (96%)



- Red (60%)
- Yellow (76%)
- Blue (96%)



- Cyan (38%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)





- Cyan (40%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0198, 0.2572, 0.3102 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 70.0198, 0.2572, 0.3102 by changing the saturation by 10% instead.


 70.0198, 0.2572,
0.3102


 70.0198, 0.2572,
0.3102


460.6195, 0.2825,
0.3195

 51.5427, 0.2515,
0.3080

 119.2370, 0.2659,
0.3135

 36.6407, 0.2446,
0.3051


 150.7458, 0.2693,
0.3148

 24.9294, 0.2358,
0.3014


187.3674, 0.2723,
0.3159

 16.0245, 0.2246,
0.2964

229.4861, 0.2748,
0.3168

 9.5415, 0.2097,
0.2894

277.4862, 0.2771,
0.3176

 5.0960, 0.1889,
0.2787

331.7522, 0.2791,

 2.3037, 0.1585,

0.3183

0.2612

392.6685, 0.2809,
0.3189

0.7757, 0.0775,
0.2359

0.0000, 0.0000,
0.0000

70.0198, 0.2572,
0.3102

70.0198, 0.2572,
0.3102

65.5487, 0.2448,
0.3044

75.0467, 0.2708,
0.3157

61.5942, 0.2340,
0.2984

80.6496, 0.2854,
0.3208

58.1247, 0.2250,
0.2922

86.8573, 0.3006,
0.3256

55.1013, 0.2180,
0.2859

93.6945, 0.3161,
0.3299

■ 52.4780, 0.2129,
0.2797

■ 96.9986, 0.3182,
0.3339

■ 50.1932, 0.2096,
0.2735

■ 99.4343, 0.3179,
0.3376

■ 49.7247, 0.2090,
0.2722

Harmonies

Analogous

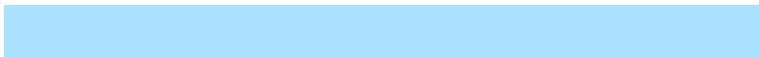
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0198, 0.2711, 0.3388



70.0198, 0.2572, 0.3102



70.0198, 0.2573, 0.2888

Triad

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



70.0198, 0.2572, 0.3102



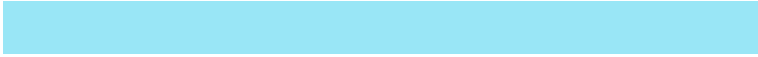
70.0198, 0.3275, 0.2959



70.0198, 0.3542, 0.3812

Complementary

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



70.0198, 0.2572, 0.3102



50.2308, 0.3997, 0.3467

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.



70.0198, 0.3710, 0.3664



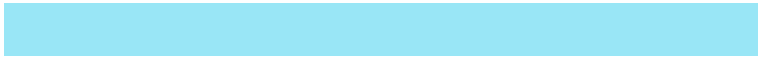
70.0198, 0.2572, 0.3102



70.0198, 0.3554, 0.3178

Square

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



70.0198, 0.2572, 0.3102



70.0198, 0.2967, 0.2820



70.0198, 0.3716, 0.3431



70.0198, 0.3266, 0.3817

Rectangle

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



70.0198, 0.2572, 0.3102



70.0198, 0.2652, 0.2810



70.0198, 0.3716, 0.3431



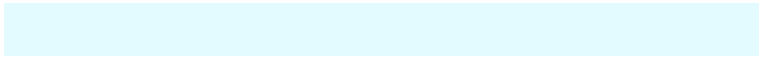
70.0198, 0.3613, 0.3776

Sweetspot

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



70.0225, 0.2572, 0.3102



92.0275, 0.2957, 0.3241



75.5230, 0.2992, 0.4249



19.4996, 0.2936, 0.3235



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.



70.0225, 0.2572, 0.3102



72.4016, 0.2481, 0.3060



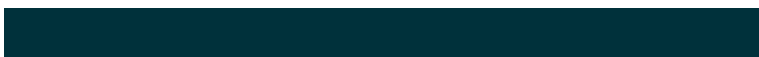
47.6765, 0.2487, 0.2529



18.2451, 0.2980, 0.3248



26.7223, 0.2092, 0.2732



2.4736, 0.2114, 0.2810

Inverse Universe

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



48.0628, 0.3307, 0.2496



46.1044, 0.3351, 0.2352



70.4799, 0.3809, 0.3945



16.7166, 0.3164, 0.3096



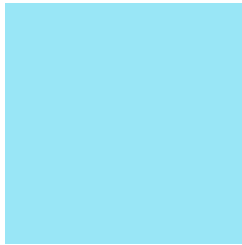
12.7970, 0.3698, 0.1811



1.1373, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 70.0198, 0.2572, 0.3102 looks on a white background.

Color Contrast Check

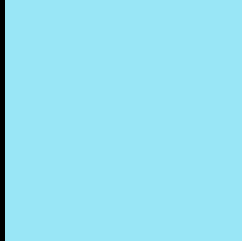
Large Text (above 18pt) WCAG AA × Fail

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 70.0198, 0.2572, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

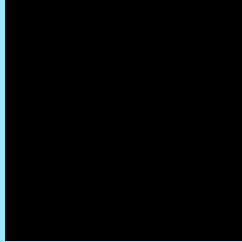
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0198, 0.2572, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 70.0198, 0.2572, 0.3102.

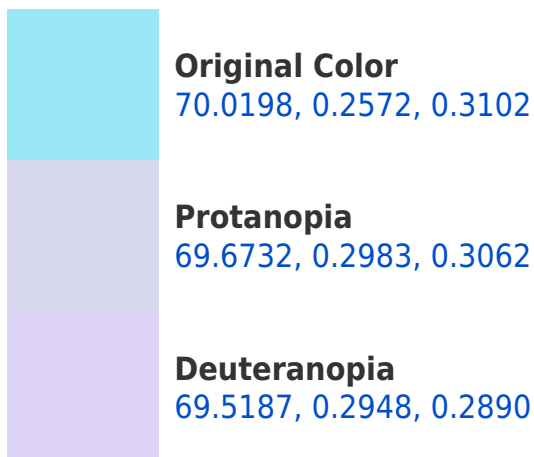


This preview shows how white text looks on a background with the Yxy color 70.0198, 0.2572, 0.3102.

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

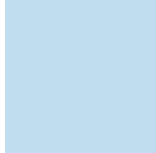
70.1432, 0.2563, 0.3079

Trichromacy



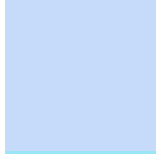
Original Color

70.0198, 0.2572, 0.3102



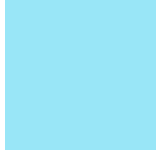
Protanomaly

69.2106, 0.2814, 0.3076



Deuteranomaly

69.3729, 0.2793, 0.2960



Tritanomaly

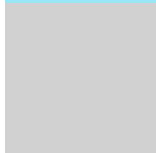
70.0813, 0.2568, 0.3091

Monochromacy



Original Color

70.0198, 0.2572, 0.3102



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.7185, 0.2900, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0198, 0.2572, 0.3102 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(153, 230, 246)` looks like.

```
.text, #text, p{  
    color:rgb(153, 230, 246)  
}
```

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(153, 230, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 230, 246) }
```

Border

The CSS property to change the border of an element to Yxy 70.0198, 0.2572, 0.3102 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(153, 230, 246) }
```

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

```
.border{ border-color:rgb(153, 230, 246) }
```

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

Here you see how a box with a 4 pixel rgb(153, 230, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 230, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 230, 246);  
box-shadow:4px 4px 4px 4px rgb(153, 230,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0198, 0.2572, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 230, 246) }
```

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

```
.background{ background-color: rgb(153,  
230, 246) }
```

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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