

Converting Colors

$Y_{xy}(71.5705, 0.2545, 0.3054)$

Have a look what the booklet for
Yxy(71.5705, 0.2545, 0.3054)
contains.

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Color

Yxy(71.5138, 0.2547, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	99E8FC
RGB	153, 232, 252
RGB Percent	60%, 91%, 99%
CMY	0.4001, 0.0902, 0.0117
CMYK	0.39, 0.08, 0.00, 0.01
HSL	192°, 94%, 79%
HSV	192°, 39%, 99%
XYZ	59.5637, 71.5138, 102.7806
YIQ	210.6590, -53.5040, -10.5280

Conversions

Conversions Part 2

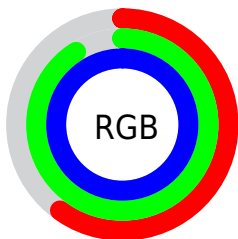
Format	Color
R_{YB}	153, 197, 252
Decimal	10086652
CIE _{Lab}	87.73, -19.25, -17.34
CIE _{LCh}	88, 25.911, 222.006
Yxy	71.5138, 0.2547, 0.3058
Android (android.graphics.Color)	4288276732 (0xFF99E8FC)
YUV	210.6590, 20.3811, -50.5669
Hunter-Lab	84.5658, -22.2643, -12.8645

Details

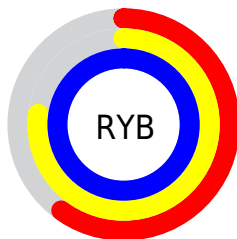
The Yxy color **71.5138, 0.2547, 0.3058** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.8863, 0.4033, 0.3506**, and the grayscale version is **64.7935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **37.4776, 0.2417, 0.2999** is the 20% darker color. If you saturate the color by 10%, you get **66.4915, 0.2422, 0.2989**, and if you desaturate by 10%, it is **77.1426, 0.2684, 0.3124**.

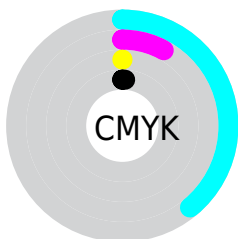
Distribution



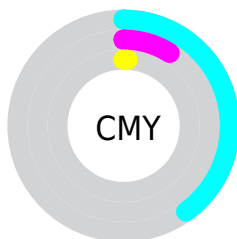
- Red (60%)
- Green (91%)
- Blue (99%)



- Red (60%)
- Yellow (77%)
- Blue (99%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)





- Cyan (40%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5138, 0.2547, 0.3058 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 71.5138, 0.2547, 0.3058 by changing the saturation by 10% instead.


 71.5138, 0.2547,
0.3058


 71.5138, 0.2547,
0.3058

465.8475, 0.2810,
0.3171

 52.7616, 0.2488,
0.3031


 121.3650, 0.2637,
0.3098

 37.6125, 0.2417,
0.2997


 153.2329, 0.2673,
0.3114

 25.6821, 0.2327,
0.2953


190.2413, 0.2703,
0.3127

 16.5859, 0.2213,
0.2895

232.7749, 0.2730,
0.3138

 9.9397, 0.2061,
0.2813

281.2179, 0.2754,
0.3148

 5.3590, 0.1852,
0.2693

335.9547, 0.2775,

 2.4594, 0.1551,

0.3156

0.2498

397.3698, 0.2793,
0.3164

0.8562, 0.0883,
0.2200

0.0000, 0.0000,
0.0000

71.5138, 0.2547,
0.3058

71.5138, 0.2547,
0.3058

66.4915, 0.2422,
0.2989

77.1426, 0.2684,
0.3124

62.0338, 0.2312,
0.2916

83.4003, 0.2831,
0.3185

58.1062, 0.2221,
0.2842

90.3181, 0.2983,
0.3242

54.6660, 0.2149,
0.2767

97.9224, 0.3138,
0.3293

■ 51.6629, 0.2097,
0.2693

99.8100, 0.3144,
0.3318

■ 49.0201, 0.2062,
0.2619

■ 48.8424, 0.2060,
0.2614

Harmonies

Analogous

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



71.5138, 0.2670, 0.3347



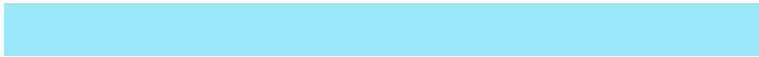
71.5138, 0.2547, 0.3058



71.5138, 0.2569, 0.2854

Triad

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



71.5138, 0.2547, 0.3058



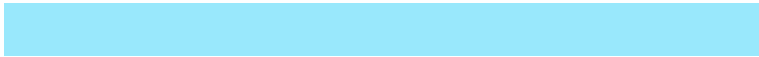
71.5138, 0.3325, 0.2978



71.5138, 0.3518, 0.3839

Complementary

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



71.5138, 0.2547, 0.3058



52.8863, 0.4033, 0.3506

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.



71.5138, 0.3712, 0.3703



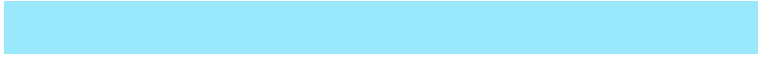
71.5138, 0.2547, 0.3058



71.5138, 0.3600, 0.3211

Square

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



71.5138, 0.2547, 0.3058



71.5138, 0.3005, 0.2821



71.5138, 0.3745, 0.3472



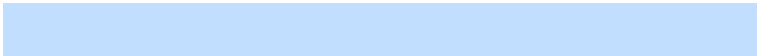
71.5138, 0.3225, 0.3820

Rectangle

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



71.5138, 0.2547, 0.3058



71.5138, 0.2664, 0.2786



71.5138, 0.3745, 0.3472



71.5138, 0.3598, 0.3808

Sweetspot

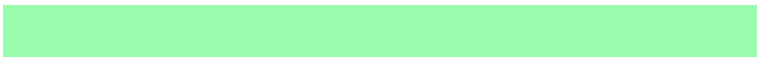
The Sweet Spot groups the original color and five complimentary colors.



71.5166, 0.2547, 0.3058



90.7682, 0.2941, 0.3227



79.4167, 0.2971, 0.4253



19.2262, 0.2921, 0.3220



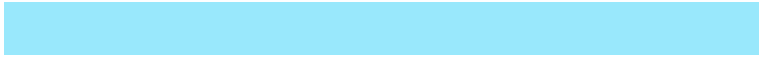
0.0000, 0.0000, 0.0000



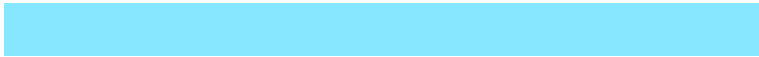
21.4041, 0.3127, 0.3290

Same Dimension

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



71.5166, 0.2547, 0.3058



69.4090, 0.2449, 0.3005



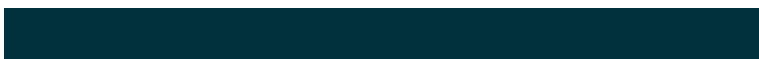
47.5404, 0.2454, 0.2452



18.9776, 0.2980, 0.3241



25.6522, 0.2063, 0.2627



2.5215, 0.2088, 0.2715

Inverse Universe

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



49.3022, 0.3342, 0.2493



44.3866, 0.3397, 0.2345



75.4081, 0.3827, 0.4003



17.4609, 0.3169, 0.3103



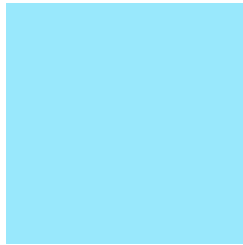
13.0005, 0.3798, 0.1866



1.2188, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 71.5138, 0.2547, 0.3058 looks on a white background.

Color Contrast Check

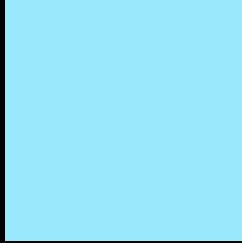
Large Text (above 18pt) WCAG AA × Fail

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 71.5138, 0.2547, 0.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

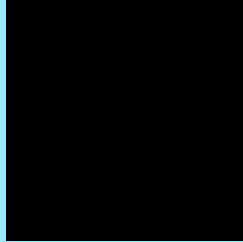
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.5138, 0.2547, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 71.5138, 0.2547, 0.3058.

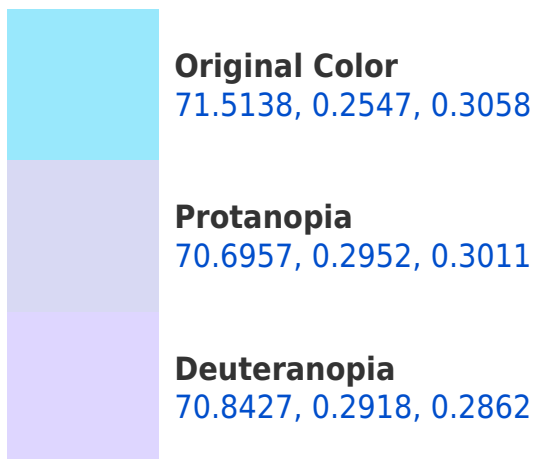


This preview shows how white text looks on a background with the Yxy color 71.5138, 0.2547, 0.3058.

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

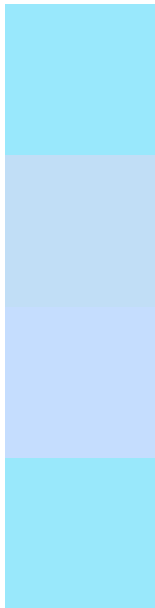




Tritanopia

71.4506, 0.2552, 0.3069

Trichromacy



Original Color

71.5138, 0.2547, 0.3058

Protanomaly

70.2338, 0.2787, 0.3023

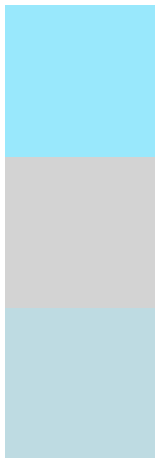
Deuteranomaly

70.7390, 0.2766, 0.2930

Tritanomaly

71.4506, 0.2552, 0.3069

Monochromacy



Original Color

71.5138, 0.2547, 0.3058

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

67.1012, 0.2883, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5138, 0.2547, 0.3058 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, 232, 252)` looks like.

```
.text, #text, p{  
    color:rgb(153, 232, 252)  
}
```

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, 232, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 232, 252) }
```

Border

The CSS property to change the border of an element to Yxy 71.5138, 0.2547, 0.3058 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, 232, 252) }
```

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

```
.border{ border-color:rgb(153, 232, 252) }
```

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

Here you see how a box with a 4 pixel rgb(153, 232, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 232, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 232, 252);  
box-shadow:4px 4px 4px 4px rgb(153, 232,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5138, 0.2547, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 232, 252) }
```

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

```
.background{ background-color: rgb(153,  
232, 252) }
```

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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