

Converting Colors

$Y_{xy}(68.8259, 0.2554, 0.2997)$

Have a look what the booklet for
Yxy(68.8259, 0.2554, 0.2997)
contains.

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Color

Yxy(69.0344, 0.2553, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	9CE3FC
RGB	156, 227, 252
RGB Percent	61%, 89%, 99%
CMY	0.3883, 0.1098, 0.0117
CMYK	0.38, 0.10, 0.00, 0.01
HSL	196°, 94%, 80%
HSV	196°, 38%, 99%
XYZ	58.7483, 69.0344, 102.3320
YIQ	208.6210, -50.3410, -7.2770

Conversions

Conversions Part 2

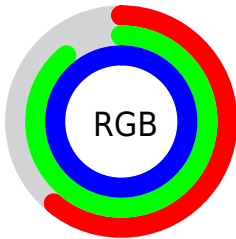
Format	Color
R_{YB}	156, 197, 252
Decimal	10281980
CIE _{Lab}	86.52, -15.99, -19.15
CIE _{LCh}	87, 24.942, 230.137
Yxy	69.0344, 0.2553, 0.3000
Android (android.graphics.Color)	4288472060 (0xFF9CE3FC)
YUV	208.6210, 21.3858, -46.1486
Hunter-Lab	83.0869, -19.1902, -14.8622

Details

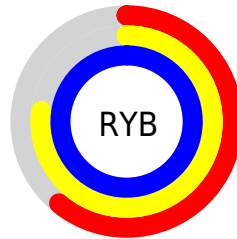
The Yxy color **69.0344, 0.2553, 0.3000** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.1398, 0.3972, 0.3558**, and the grayscale version is **63.3831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **36.1545, 0.2427, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **63.2571, 0.2420, 0.2910**, and if you desaturate by 10%, it is **75.4754, 0.2697, 0.3085**.

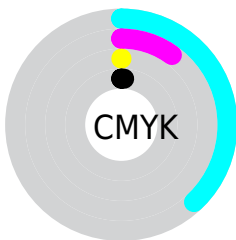
Distribution



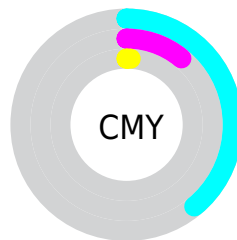
- Red (61%)
- Green (89%)
- Blue (99%)



- Red (61%)
- Yellow (77%)
- Blue (99%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)




- Cyan (39%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0344, 0.2553, 0.3000 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 69.0344, 0.2553, 0.3000 by changing the saturation by 10% instead.


 69.0344, 0.2553,
0.3000


 69.0344, 0.2553,
0.3000

457.1523, 0.2815,
0.3140

 50.7397, 0.2494,
0.2967


 117.8307, 0.2643,
0.3049

 36.0015, 0.2422,
0.2926


 149.1011, 0.2678,
0.3068

 24.4354, 0.2332,
0.2872


185.4656, 0.2709,
0.3085

 15.6569, 0.2217,
0.2802

227.3085, 0.2736,
0.3099

 9.2817, 0.2063,
0.2704

275.0142, 0.2759,
0.3111

 4.9254, 0.1850,
0.2560

328.9672, 0.2780,

 2.2035, 0.1541,

0.3122

0.2331

389.5517, 0.2798,
0.3131

0.7219, 0.0806,
0.1967

0.0000, 0.0000,
0.0000

69.0344, 0.2553,
0.3000

69.0344, 0.2553,
0.3000

63.2571, 0.2420,
0.2910

75.4754, 0.2697,
0.3085

58.1014, 0.2301,
0.2815

82.6032, 0.2847,
0.3164

53.5323, 0.2198,
0.2718

90.4494, 0.3001,
0.3236

49.5072, 0.2115,
0.2619

98.7005, 0.3145,
0.3302

■ 45.9759, 0.2053, 99.8090, 0.3144,
0.2520 0.3318

■ 42.8704, 0.2009,
0.2423

■ 42.3118, 0.2001,
0.2405

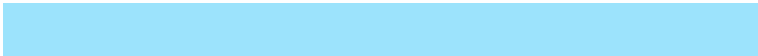
Harmonies

Analogous

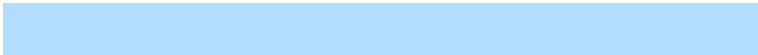
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0344, 0.2636, 0.3265



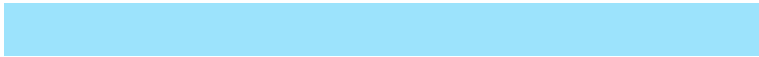
69.0344, 0.2553, 0.3000



69.0344, 0.2614, 0.2831

Triad

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



69.0344, 0.2553, 0.3000



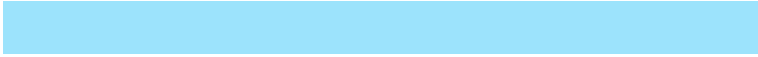
69.0344, 0.3401, 0.3042



69.0344, 0.3437, 0.3836

Complementary

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



69.0344, 0.2553, 0.3000



56.1398, 0.3972, 0.3558

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.



69.0344, 0.3660, 0.3741



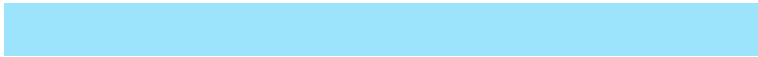
69.0344, 0.2553, 0.3000



69.0344, 0.3641, 0.3281

Square

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



69.0344, 0.2553, 0.3000



69.0344, 0.3092, 0.2864



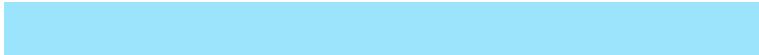
69.0344, 0.3737, 0.3534



69.0344, 0.3139, 0.3771

Rectangle

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



69.0344, 0.2553, 0.3000



69.0344, 0.2729, 0.2787



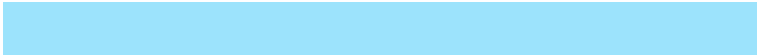
69.0344, 0.3737, 0.3534



69.0344, 0.3524, 0.3820

Sweetspot

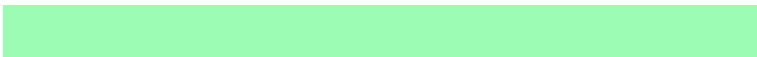
The Sweet Spot groups the original color and five complimentary colors.



69.0371, 0.2553, 0.3000



90.4909, 0.2957, 0.3216



79.9888, 0.2950, 0.4158



19.1317, 0.2936, 0.3206



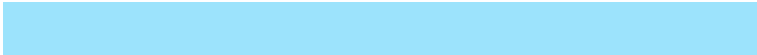
0.0000, 0.0000, 0.0000



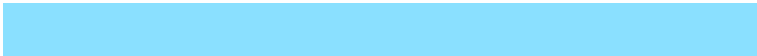
21.4041, 0.3127, 0.3290

Same Dimension

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



69.0371, 0.2553, 0.3000



66.1549, 0.2446, 0.2929



46.7337, 0.2467, 0.2422



18.7987, 0.2980, 0.3227



22.2905, 0.2006, 0.2421



2.2361, 0.2038, 0.2537

Inverse Universe

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



50.0152, 0.3383, 0.2568



44.7576, 0.3455, 0.2423



78.5862, 0.3786, 0.4026



17.4428, 0.3178, 0.3116



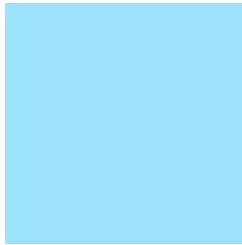
12.6611, 0.4001, 0.1978



1.1900, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 69.0344, 0.2553, 0.3000 looks on a white background.

Color Contrast Check

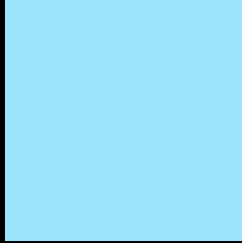
Large Text (above 18pt) WCAG AA × Fail

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 69.0344, 0.2553, 0.3000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

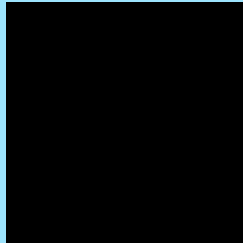
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0344, 0.2553, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 69.0344, 0.2553, 0.3000.

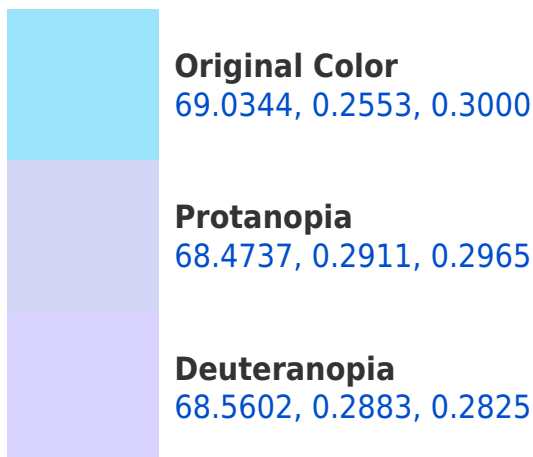


This preview shows how white text looks on a background with the Yxy color 69.0344, 0.2553, 0.3000.

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

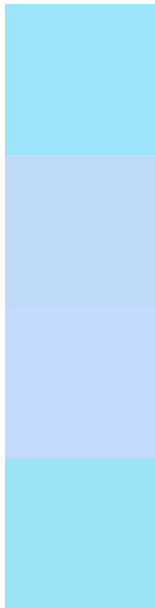




Tritanopia

69.0107, 0.2574, 0.3078

Trichromacy



Original Color

69.0344, 0.2553, 0.3000

Protanomaly

68.4548, 0.2766, 0.2977

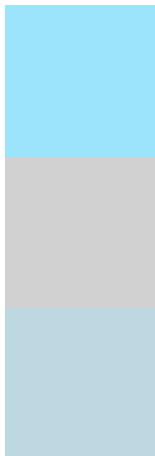
Deuteranomaly

68.3836, 0.2750, 0.2884

Tritanomaly

69.2327, 0.2569, 0.3056

Monochromacy



Original Color

69.0344, 0.2553, 0.3000

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.4951, 0.2888, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0344, 0.2553, 0.3000 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(156, 227, 252)` looks like.

```
.text, #text, p{  
    color:rgb(156, 227, 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(156, 227, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 227, 252) }
```

Border

The CSS property to change the border of an element to Yxy 69.0344, 0.2553, 0.3000 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(156, 227, 252) }
```

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

```
.border{ border-color:rgb(156, 227, 252) }
```

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

Here you see how a box with a 4 pixel rgb(156, 227, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 227, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 227, 252);  
box-shadow:4px 4px 4px 4px rgb(156, 227,  
252) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 69.0344, 0.2553, 0.3000$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 227, 252) }
```

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

```
.background{ background-color: rgb(156,  
227, 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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