

Converting Colors

$Yxy(69.7888, 0.2521, 0.2987)$

Have a look what the booklet for
Yxy(69.7888, 0.2521, 0.2987)
contains.

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Color

Yxy(69.9340, 0.2523, 0.2989)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 98E5FF |
| RGB | 152, 229, 255 |
| RGB Percent | 60%, 90%, 100% |
| CMY | 0.4036, 0.1020, 0.0000 |
| CMYK | 0.40, 0.10, 0.00, 0.00 |
| HSL | 195°, 100%, 80% |
| HSV | 195°, 40%, 100% |
| XYZ | 59.0309, 69.9340, 105.0063 |
| YIQ | 208.9410, -54.2380, -8.2380 |

Conversions

Conversions Part 2

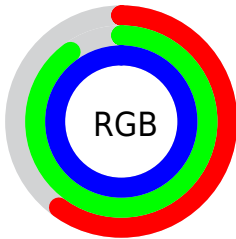
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 152, 196, 255 |
| Decimal | 10020351 |
| CIE Lab | 86.96, -17.22, -20.07 |
| CIE LCh | 87, 26.444, 229.381 |
| Yxy | 69.9340, 0.2523, 0.2989 |
| Android (android.graphics.Color) | 4288210431 (0xFF98E5FF) |
| YUV | 208.9410, 22.7071, -49.9373 |
| Hunter-Lab | 83.6266, -20.3455, -15.9093 |

Details

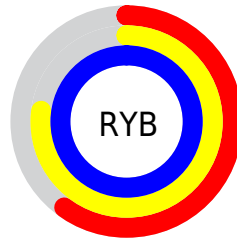
The Yxy color **69.9340, 0.2523, 0.2989** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.4085, 0.4045, 0.3566**, and the grayscale version is **63.6077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **36.3973, 0.2386, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **64.2319, 0.2394, 0.2901**, and if you desaturate by 10%, it is **76.3010, 0.2664, 0.3073**.

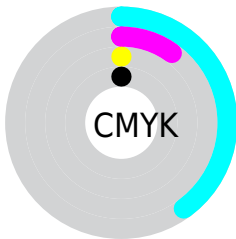
Distribution



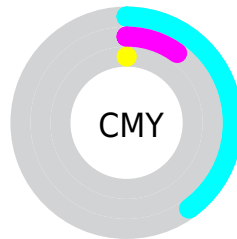
- Red (60%)
- Green (90%)
- Blue (100%)



- Red (60%)
- Yellow (77%)
- Blue (100%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9340, 0.2523, 0.2989 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 69.9340, 0.2523, 0.2989 by changing the saturation by 10% instead.


 69.9340, 0.2523,
0.2989

 69.9340, 0.2523,
0.2989

460.3182, 0.2798,
0.3134

 51.4727, 0.2462,
0.2955


 119.1146, 0.2617,
0.3040

 36.5850, 0.2387,
0.2912


 150.6028, 0.2654,
0.3060

 24.8863, 0.2293,
0.2857


187.2020, 0.2686,
0.3077

 15.9924, 0.2174,
0.2784

229.2967, 0.2714,
0.3091

 9.5188, 0.2015,
0.2683

277.2713, 0.2739,
0.3104

 5.0811, 0.1798,
0.2535

331.5102, 0.2761,

 2.2949, 0.1485,

0.3115

0.2303

392.3977, 0.2780,
0.3125

■ 0.7710, 0.0786,
0.1940

■ 0.0000, 0.0000,
0.0000

■ 69.9340, 0.2523,
0.2989

■ 69.9340, 0.2523,
0.2989

■ 64.2319, 0.2394,
0.2901

■ 76.3010, 0.2664,
0.3073

■ 59.1538, 0.2279,
0.2808

■ 83.3602, 0.2813,
0.3151

■ 54.6618, 0.2182,
0.2713

■ 91.1435, 0.2966,
0.3223

■ 50.7107, 0.2105,
0.2618

99.6790, 0.3122,
0.3288

■ 47.2466, 0.2048,
0.2522

100.0000, 0.3127,
0.3290

■ 44.2857, 0.2009,
0.2432

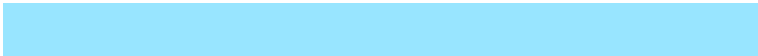
Harmonies

Analogous

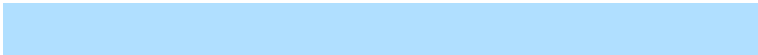
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9340, 0.2613, 0.3271



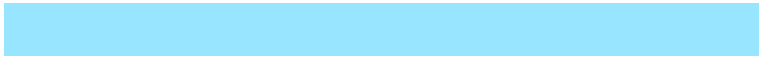
69.9340, 0.2523, 0.2989



69.9340, 0.2583, 0.2809

Triad

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



69.9340, 0.2523, 0.2989



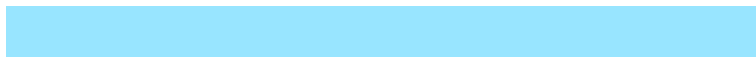
69.9340, 0.3408, 0.3023



69.9340, 0.3461, 0.3866

Complementary

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



69.9340, 0.2523, 0.2989



55.4085, 0.4045, 0.3566

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.



69.9340, 0.3693, 0.3760



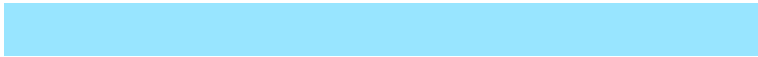
69.9340, 0.2523, 0.2989



69.9340, 0.3666, 0.3273

Square

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



69.9340, 0.2523, 0.2989



69.9340, 0.3081, 0.2839



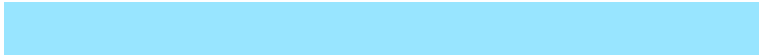
69.9340, 0.3771, 0.3540



69.9340, 0.3147, 0.3804

Rectangle

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



69.9340, 0.2523, 0.2989



69.9340, 0.2702, 0.2761



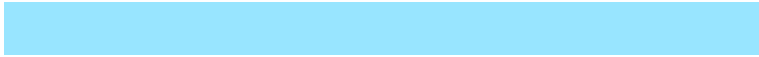
69.9340, 0.3771, 0.3540



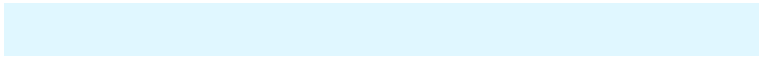
69.9340, 0.3552, 0.3848

Sweetspot

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



69.9358, 0.2523, 0.2989



89.8156, 0.2941, 0.3211



81.4103, 0.2942, 0.4220



19.0010, 0.2921, 0.3202



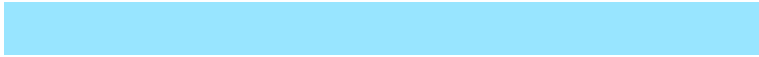
0.0000, 0.0000, 0.0000



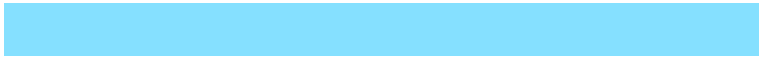
21.4041, 0.3127, 0.3290

Same Dimension

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



69.9358, 0.2523, 0.2989



65.5198, 0.2423, 0.2922



45.6699, 0.2423, 0.2360



19.6582, 0.2980, 0.3229



23.3913, 0.2013, 0.2448



2.4517, 0.2043, 0.2555

Inverse Universe

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



49.4002, 0.3396, 0.2518



43.3110, 0.3464, 0.2380



79.7185, 0.3829, 0.4069



18.2173, 0.3177, 0.3114



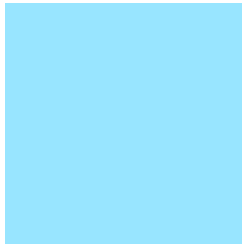
13.0893, 0.3975, 0.1963



1.2920, 0.3868, 0.1904

Previews

White Background



This preview shows how the Yxy color 69.9340, 0.2523, 0.2989 looks on a white background.

Color Contrast Check

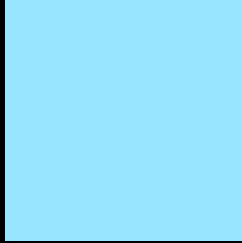
Large Text (above 18pt) WCAG AA × Fail

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 69.9340, 0.2523, 0.2989 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 69.9340, 0.2523, 0.2989

Background



This preview shows how black text looks on a background with the Yxy color 69.9340, 0.2523, 0.2989.

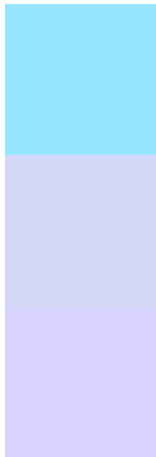


This preview shows how white text looks on a background with the Yxy color 69.9340, 0.2523, 0.2989.

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



Original Color

69.9340, 0.2523, 0.2989

Protanopia

69.2517, 0.2906, 0.2956

Deuteranopia

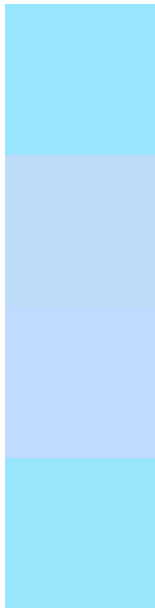
69.0587, 0.2883, 0.2836



Tritanopia

69.9172, 0.2543, 0.3067

Trichromacy



Original Color

69.9340, 0.2523, 0.2989

Protanomaly

68.9731, 0.2750, 0.2967

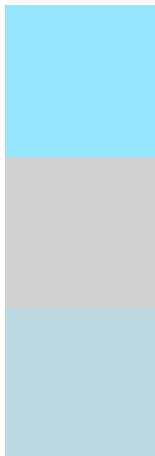
Deuteranomaly

68.7003, 0.2733, 0.2884

Tritanomaly

70.1380, 0.2539, 0.3045

Monochromacy



Original Color

69.9340, 0.2523, 0.2989

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.2941, 0.2869, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9340, 0.2523, 0.2989 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(152, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 229, 255)  
}
```

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(152, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.9340, 0.2523, 0.2989 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(152, 229, 255) }
```

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

```
.border{ border-color:rgb(152, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9340, 0.2523, 0.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 229, 255) }
```

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

```
.background{ background-color: rgb(152,  
229, 255) }
```

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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