

Converting Colors

$Y_{xy}(69.0801, 0.2520, 0.2975)$

Have a look what the booklet for
Yxy(69.0801, 0.2520, 0.2975)
contains.

| | |
|--|----|
| Yxy(69.3822, 0.2521, 0.2977) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(69.3822, 0.2521, 0.2977)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 98E4FF |
| RGB | 152, 228, 255 |
| RGB Percent | 60%, 89%, 100% |
| CMY | 0.4036, 0.1059, 0.0000 |
| CMYK | 0.40, 0.11, 0.00, 0.00 |
| HSL | 196°, 100%, 80% |
| HSV | 196°, 40%, 100% |
| XYZ | 58.7546, 69.3822, 104.9240 |
| YIQ | 208.3540, -53.9630, -7.7150 |

Conversions

Conversions Part 2

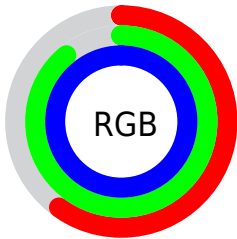
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 152, 196, 255 |
| Decimal | 10020095 |
| CIELab | 86.69, -16.71, -20.49 |
| CIElCh | 87, 26.441, 230.797 |
| Yxy | 69.3822, 0.2521, 0.2977 |
| Android (android.graphics.Color) | 4288210175 (0xFF98E4FF) |
| YUV | 208.3540, 22.9965, -49.4225 |
| Hunter-Lab | 83.2960, -19.8591, -16.3776 |

Details

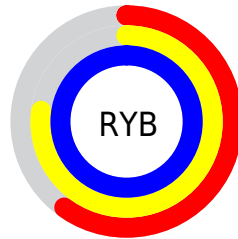
The Yxy color **69.3822, 0.2521, 0.2977** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.8020, 0.4041, 0.3576**, and the grayscale version is **63.2019, 0.3127, 0.3290**.

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 **63.5694, 0.2391, 0.2885**, and if you desaturate by 10%, it is **75.8685, 0.2663, 0.3064**.

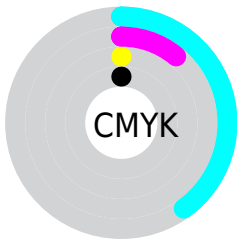
Distribution



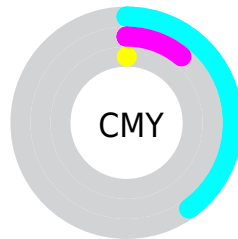
- Red (60%)
- Green (89%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3822, 0.2521, 0.2977 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 69.3822, 0.2521, 0.2977 by changing the saturation by 10% instead.


 69.3822, 0.2521,
0.2977

 69.3822, 0.2521,
0.2977


458.3778, 0.2797,
0.3128

 51.0230, 0.2459,
0.2941

 118.3273, 0.2616,
0.3030

 36.2269, 0.2384,
0.2897


 149.6820, 0.2653,
0.3051

 24.6095, 0.2290,
0.2840


186.1374, 0.2685,
0.3068

 15.7864, 0.2169,
0.2764

228.0778, 0.2713,
0.3083

 9.3731, 0.2010,
0.2660

275.8877, 0.2738,
0.3097

 4.9853, 0.1791,
0.2507

329.9514, 0.2760,

 2.2387, 0.1475,

0.3108

0.2267

390.6533, 0.2779,
0.3119

0.7410, 0.0756,
0.1890

0.0000, 0.0000,
0.0000

69.3822, 0.2521,
0.2977

69.3822, 0.2521,
0.2977

63.5694, 0.2391,
0.2885

75.8685, 0.2663,
0.3064

58.3913, 0.2275,
0.2789

83.0579, 0.2813,
0.3146

53.8090, 0.2176,
0.2690

90.9818, 0.2966,
0.3220

49.7772, 0.2097,
0.2590

99.6686, 0.3122,
0.3288

■ 46.2417, 0.2039,
0.2491

100.0000, 0.3127,
0.3290

■ 43.2221, 0.1999,
0.2397

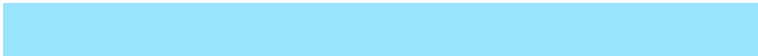
Harmonies

Analogous

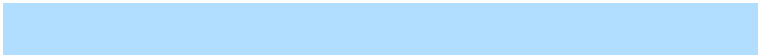
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.3822, 0.2605, 0.3256



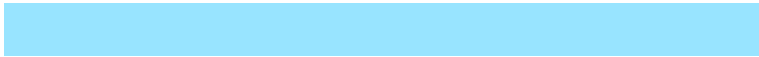
69.3822, 0.2521, 0.2977



69.3822, 0.2588, 0.2802

Triad

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



69.3822, 0.2521, 0.2977



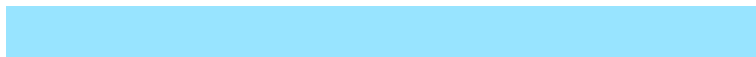
69.3822, 0.3423, 0.3033



69.3822, 0.3448, 0.3869

Complementary

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



69.3822, 0.2521, 0.2977



55.8020, 0.4041, 0.3576

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.



69.3822, 0.3687, 0.3770



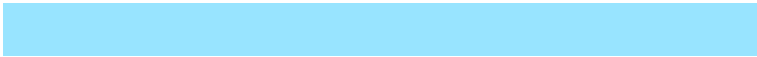
69.3822, 0.2521, 0.2977



69.3822, 0.3676, 0.3286

Square

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



69.3822, 0.2521, 0.2977



69.3822, 0.3096, 0.2844



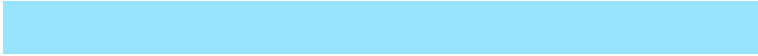
69.3822, 0.3773, 0.3552



69.3822, 0.3131, 0.3798

Rectangle

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



69.3822, 0.2521, 0.2977



69.3822, 0.2711, 0.2759



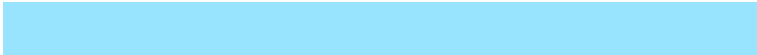
69.3822, 0.3773, 0.3552



69.3822, 0.3541, 0.3853

Sweetspot

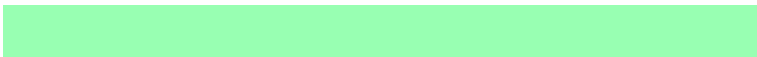
The Sweet Spot groups the original color and five complimentary colors.



69.3832, 0.2521, 0.2977



89.6345, 0.2941, 0.3208



81.4086, 0.2942, 0.4221



18.9582, 0.2921, 0.3199



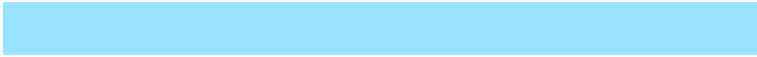
0.0000, 0.0000, 0.0000



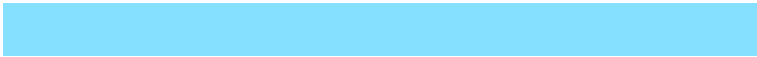
21.4041, 0.3127, 0.3290

Same Dimension

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



69.3832, 0.2521, 0.2977



64.8853, 0.2420, 0.2907



45.6646, 0.2423, 0.2360



19.6273, 0.2980, 0.3226



22.8408, 0.2004, 0.2413



2.4020, 0.2035, 0.2525

Inverse Universe

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



49.3402, 0.3405, 0.2527



43.2470, 0.3476, 0.2391



79.7161, 0.3829, 0.4069



18.2142, 0.3178, 0.3116



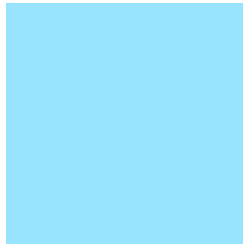
13.0338, 0.4010, 0.1982



1.2870, 0.3897, 0.1921

Previews

White Background



This preview shows how the Yxy color 69.3822, 0.2521, 0.2977 looks on a white background.

Color Contrast Check

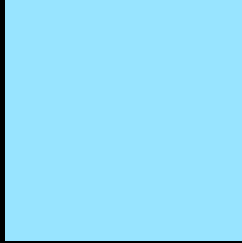
Large Text (above 18pt) WCAG AA × Fail

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 69.3822, 0.2521, 0.2977 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 69.3822, 0.2521, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 69.3822, 0.2521, 0.2977.



This preview shows how white text looks on a background with the Yxy color 69.3822, 0.2521, 0.2977.

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

69.3822, 0.2521, 0.2977

Protanopia

68.5958, 0.2899, 0.2944

Deuteranopia

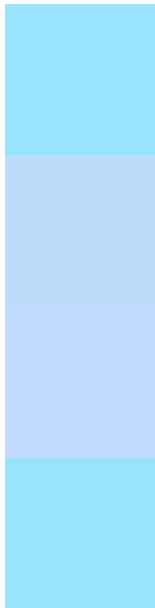
68.9059, 0.2877, 0.2835



Tritanopia

69.3000, 0.2546, 0.3066

Trichromacy



Original Color

69.3822, 0.2521, 0.2977

Protanomaly

68.4497, 0.2749, 0.2956

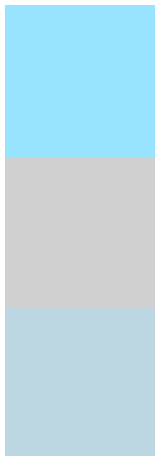
Deuteranomaly

68.7003, 0.2733, 0.2884

Tritanomaly

69.5830, 0.2537, 0.3033

Monochromacy



Original Color

69.3822, 0.2521, 0.2977

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.7285, 0.2874, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3822, 0.2521, 0.2977 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 228, 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, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.3822, 0.2521, 0.2977 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, 228, 255) }
```

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

```
.border{ border-color:rgb(152, 228, 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, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3822, 0.2521, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 228, 255) }
```

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

```
.background{ background-color: rgb(152,  
228, 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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