

Converting Colors

$Yxy(69.1603, 0.2500, 0.2980)$

Have a look what the booklet for
Yxy(69.1603, 0.2500, 0.2980)
contains.

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Color

Yxy(69.0027, 0.2502, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	94E4FF
RGB	148, 228, 255
RGB Percent	58%, 89%, 100%
CMY	0.4193, 0.1059, 0.0001
CMYK	0.42, 0.11, 0.00, 0.00
HSL	195°, 100%, 79%
HSV	195°, 42%, 100%
XYZ	58.0124, 69.0027, 104.8489
YIQ	207.1580, -56.3470, -8.5630

Conversions

Conversions Part 2

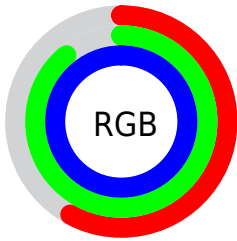
Format	Color
R_{YB}	148, 194, 255
Decimal	9757951
CIE _{Lab}	86.51, -17.71, -20.77
CIE _{LCh}	87, 27.289, 229.548
Yxy	69.0027, 0.2502, 0.2976
Android (android.graphics.Color)	4287948031 (0xFF94E4FF)
YUV	207.1580, 23.5861, -51.8816
Hunter-Lab	83.0679, -20.7092, -16.6888

Details

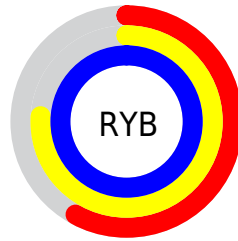
The Yxy color **69.0027, 0.2502, 0.2976** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.0781, 0.4095, 0.3576**, and the grayscale version is **62.3870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **35.8064, 0.2362, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **63.4070, 0.2375, 0.2887**, and if you desaturate by 10%, it is **75.2592, 0.2641, 0.3061**.

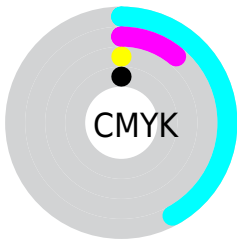
Distribution



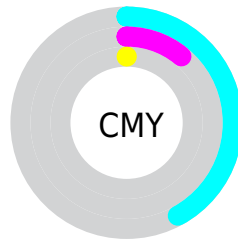
- Red (58%)
- Green (89%)
- Blue (100%)



- Red (58%)
- Yellow (76%)
- Blue (100%)



- Cyan (42%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0027, 0.2502, 0.2976 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 69.0027, 0.2502, 0.2976 by changing the saturation by 10% instead.


 69.0027, 0.2502,
0.2976


 69.0027, 0.2502,
0.2976


457.0405, 0.2787,
0.3128

 50.7139, 0.2438,
0.2940


 117.7854, 0.2600,
0.3030

 35.9810, 0.2361,
0.2895


 149.0482, 0.2638,
0.3050

 24.4195, 0.2264,
0.2837


185.4043, 0.2671,
0.3068

 15.6451, 0.2140,
0.2761

227.2383, 0.2700,
0.3083

 9.2734, 0.1976,
0.2654

274.9345, 0.2725,
0.3096

 4.9199, 0.1751,
0.2499

328.8774, 0.2748,

 2.2004, 0.1428,

0.3108

0.2254

389.4512, 0.2768,
0.3119

0.7202, 0.0655,
0.1871

0.0000, 0.0000,
0.0000

69.0027, 0.2502,
0.2976

69.0027, 0.2502,
0.2976

63.4070, 0.2375,
0.2887

75.2592, 0.2641,
0.3061

58.4281, 0.2263,
0.2794

82.2016, 0.2789,
0.3139

54.0282, 0.2169,
0.2699

89.8630, 0.2942,
0.3212

50.1609, 0.2095,
0.2604

98.2717, 0.3097,
0.3278

■ 46.7707, 0.2041,
0.2509

99.9986, 0.3127,
0.3290

■ 44.3150, 0.2009,
0.2433

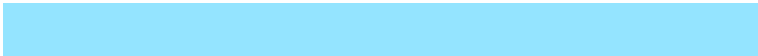
Harmonies

Analogous

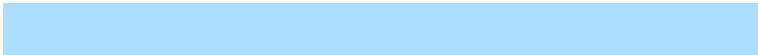
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.0027, 0.2594, 0.3268



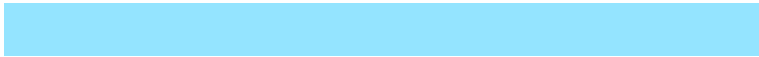
69.0027, 0.2502, 0.2976



69.0027, 0.2565, 0.2791

Triad

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



69.0027, 0.2502, 0.2976



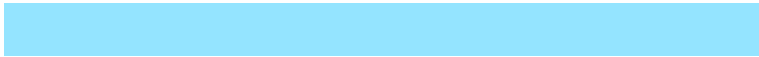
69.0027, 0.3420, 0.3014



69.0027, 0.3471, 0.3888

Complementary

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



69.0027, 0.2502, 0.2976



54.0781, 0.4095, 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.



69.0027, 0.3713, 0.3778



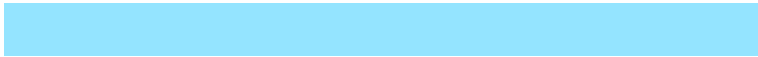
69.0027, 0.2502, 0.2976



69.0027, 0.3687, 0.3273

Square

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



69.0027, 0.2502, 0.2976



69.0027, 0.3081, 0.2824



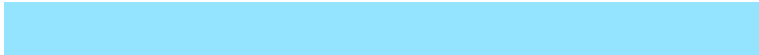
69.0027, 0.3795, 0.3549



69.0027, 0.3145, 0.3823

Rectangle

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



69.0027, 0.2502, 0.2976



69.0027, 0.2688, 0.2743



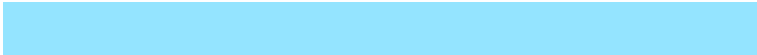
69.0027, 0.3795, 0.3549



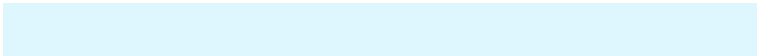
69.0027, 0.3565, 0.3869

Sweetspot

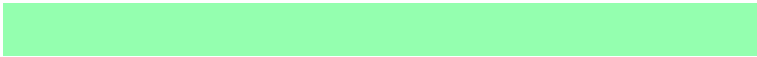
The Sweet Spot groups the original color and five complimentary colors.



69.0054, 0.2502, 0.2976



89.0231, 0.2926, 0.3204



80.8958, 0.2936, 0.4264



18.6828, 0.2892, 0.3189



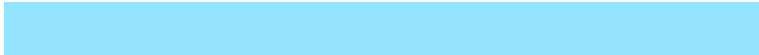
0.0000, 0.0000, 0.0000



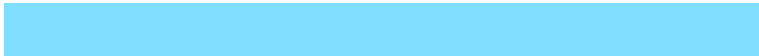
21.4041, 0.3127, 0.3290

Same Dimension

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



69.0054, 0.2502, 0.2976



64.4491, 0.2398, 0.2904



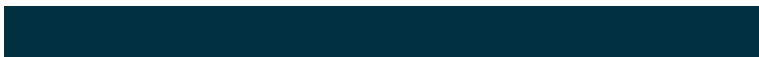
44.1034, 0.2393, 0.2317



19.6593, 0.2980, 0.3229



23.4110, 0.2014, 0.2449



2.4535, 0.2043, 0.2556

Inverse Universe

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



48.0599, 0.3409, 0.2489



41.8862, 0.3483, 0.2346



79.0216, 0.3859, 0.4099



18.2174, 0.3177, 0.3114



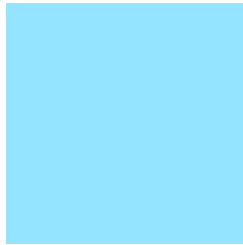
13.0913, 0.3974, 0.1963



1.2922, 0.3867, 0.1904

Previews

White Background



This preview shows how the Yxy color 69.0027, 0.2502, 0.2976 looks on a white background.

Color Contrast Check

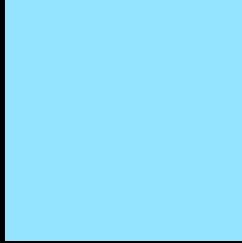
Large Text (above 18pt) WCAG AA × Fail

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 69.0027, 0.2502, 0.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

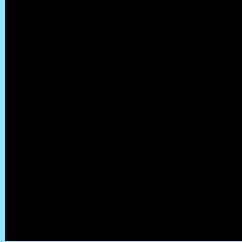
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0027, 0.2502, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 69.0027, 0.2502, 0.2976.



This preview shows how white text looks on a background with the Yxy color 69.0027, 0.2502, 0.2976.

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

69.0027, 0.2502, 0.2976

Protanopia

68.4486, 0.2892, 0.2943

Deuteranopia

68.2556, 0.2869, 0.2823



Tritanopia

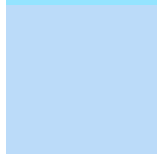
68.9269, 0.2527, 0.3065

Trichromacy



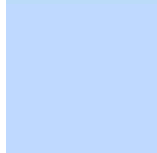
Original Color

69.0027, 0.2502, 0.2976



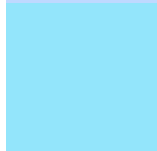
Protanomaly

68.0674, 0.2731, 0.2954



Deuteranomaly

67.9221, 0.2720, 0.2871



Tritanomaly

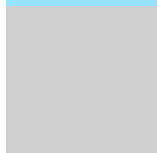
69.2067, 0.2517, 0.3032

Monochromacy



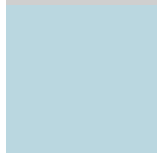
Original Color

69.0027, 0.2502, 0.2976



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.4218, 0.2867, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0027, 0.2502, 0.2976 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(148, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 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(148, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.0027, 0.2502, 0.2976 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(148, 228, 255) }
```

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

```
.border{ border-color:rgb(148, 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(148, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 228, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 228, 255); box-shadow:4px 4px 4px 4px rgb(148, 228, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0027, 0.2502, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 228, 255) }
```

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

```
.background{ background-color: rgb(148,  
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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