

Converting Colors

$Y_{xy}(69.2915, 0.2513, 0.2978)$

Have a look what the booklet for
Yxy(69.2915, 0.2513, 0.2978)
contains.

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Color

Yxy(69.1908, 0.2511, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	96E4FF
RGB	150, 228, 255
RGB Percent	59%, 89%, 100%
CMY	0.4120, 0.1058, 0.0001
CMYK	0.41, 0.11, 0.00, 0.00
HSL	195°, 100%, 79%
HSV	195°, 41%, 100%
XYZ	58.3601, 69.1908, 104.8669
YIQ	207.7560, -55.1550, -8.1390

Conversions

Conversions Part 2

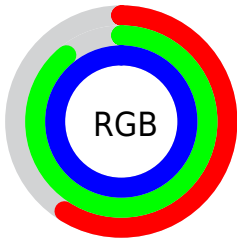
Format	Color
R_{YB}	150, 195, 255
Decimal	9889023
CIE _{Lab}	86.60, -17.26, -20.62
CIE _{LCh}	87, 26.888, 230.063
Yxy	69.1908, 0.2511, 0.2977
Android (android.graphics.Color)	4288079103 (0xFF96E4FF)
YUV	207.7560, 23.2913, -50.6520
Hunter-Lab	83.1810, -20.3304, -16.5207

Details

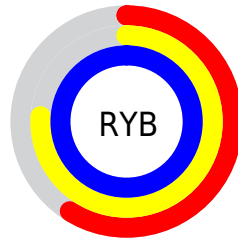
The Yxy color **69.1908, 0.2511, 0.2977** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.8641, 0.4069, 0.3576**, and the grayscale version is **62.7771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **35.9094, 0.2372, 0.2892** is the 20% darker color. If you saturate the color by 10%, you get **63.4993, 0.2382, 0.2886**, and if you desaturate by 10%, it is **75.5501, 0.2652, 0.3063**.

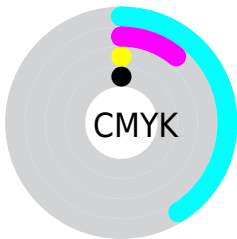
Distribution



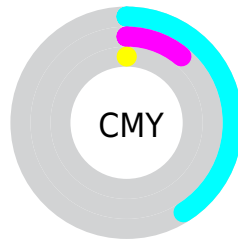
- Red (59%)
- Green (89%)
- Blue (100%)



- Red (59%)
- Yellow (76%)
- Blue (100%)



- Cyan (41%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (41%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1908, 0.2511, 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 69.1908, 0.2511, 0.2977 by changing the saturation by 10% instead.


 69.1908, 0.2511,
0.2977

 69.1908, 0.2511,
0.2977


457.7036, 0.2791,
0.3128

 50.8671, 0.2448,
0.2941


 118.0541, 0.2607,
0.3030

 36.1029, 0.2372,
0.2897


 149.3624, 0.2645,
0.3051

 24.5136, 0.2276,
0.2839


185.7678, 0.2678,
0.3068

 15.7151, 0.2154,
0.2763

227.6546, 0.2706,
0.3084

 9.3228, 0.1992,
0.2658

275.4071, 0.2731,
0.3097

 4.9523, 0.1770,
0.2504

329.4099, 0.2754,

 2.2193, 0.1451,

0.3108

0.2262

390.0473, 0.2774,
0.3119

0.7305, 0.0703,
0.1882

0.0000, 0.0000,
0.0000

69.1908, 0.2511,
0.2977

69.1908, 0.2511,
0.2977

63.4993, 0.2382,
0.2886

75.5501, 0.2652,
0.3063

58.4317, 0.2268,
0.2792

82.6021, 0.2800,
0.3142

53.9505, 0.2172,
0.2696

90.3797, 0.2954,
0.3216

50.0099, 0.2096,
0.2598

98.9114, 0.3109,
0.3283

■ 46.5549, 0.2040,
0.2502

99.9986, 0.3127,
0.3290

■ 43.8403, 0.2005,
0.2418

Harmonies

Analogous

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



69.1908, 0.2600, 0.3263



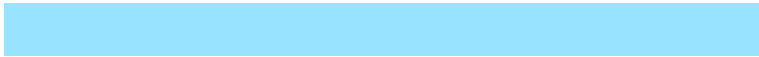
69.1908, 0.2511, 0.2977



69.1908, 0.2575, 0.2797

Triad

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



69.1908, 0.2511, 0.2977



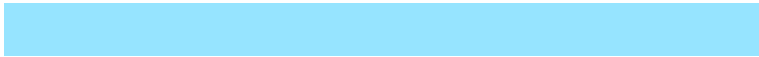
69.1908, 0.3421, 0.3023



69.1908, 0.3461, 0.3879

Complementary

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



69.1908, 0.2511, 0.2977



54.8641, 0.4069, 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.



69.1908, 0.3701, 0.3774



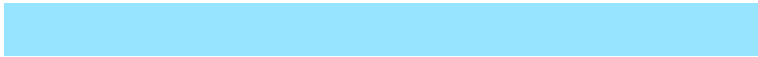
69.1908, 0.2511, 0.2977



69.1908, 0.3681, 0.3279

Square

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



69.1908, 0.2511, 0.2977



69.1908, 0.3088, 0.2833



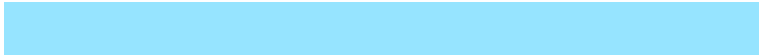
69.1908, 0.3785, 0.3550



69.1908, 0.3139, 0.3811

Rectangle

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



69.1908, 0.2511, 0.2977



69.1908, 0.2699, 0.2751



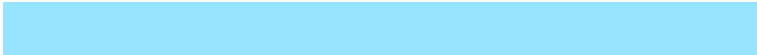
69.1908, 0.3785, 0.3550



69.1908, 0.3554, 0.3861

Sweetspot

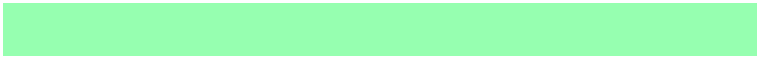
The Sweet Spot groups the original color and five complimentary colors.



69.1935, 0.2511, 0.2977



89.7416, 0.2941, 0.3210



81.1275, 0.2938, 0.4243



18.9835, 0.2921, 0.3201



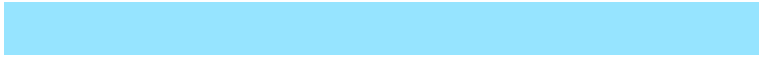
0.0000, 0.0000, 0.0000



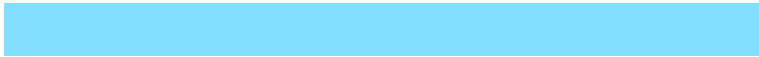
21.4041, 0.3127, 0.3290

Same Dimension

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



69.1935, 0.2511, 0.2977



64.7054, 0.2409, 0.2907



44.8285, 0.2408, 0.2337



19.6456, 0.2980, 0.3228



23.1652, 0.2009, 0.2434



2.4313, 0.2040, 0.2543

Inverse Universe

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



48.6539, 0.3407, 0.2507



42.5623, 0.3479, 0.2367



79.3399, 0.3845, 0.4085



18.2160, 0.3178, 0.3115



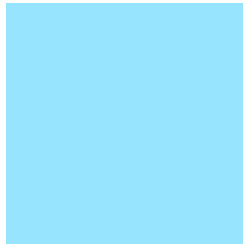
13.0665, 0.3989, 0.1971



1.2900, 0.3880, 0.1911

Previews

White Background



This preview shows how the Yxy color 69.1908, 0.2511, 0.2977 looks on a white background.

Color Contrast Check

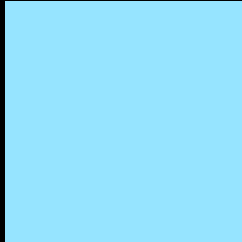
Large Text (above 18pt) WCAG AA × Fail

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 69.1908, 0.2511, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

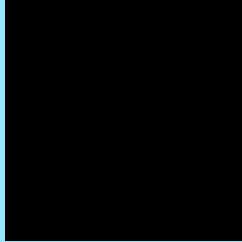
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1908, 0.2511, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 69.1908, 0.2511, 0.2977.



This preview shows how white text looks on a background with the Yxy color 69.1908, 0.2511, 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

69.1908, 0.2511, 0.2977

Protanopia

68.5958, 0.2899, 0.2944

Deuteranopia

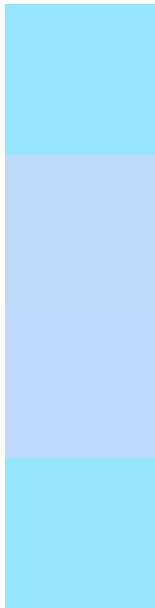
68.4075, 0.2876, 0.2824



Tritanopia

69.1118, 0.2536, 0.3066

Trichromacy



Original Color

69.1908, 0.2511, 0.2977

Protanomaly

68.3214, 0.2743, 0.2955

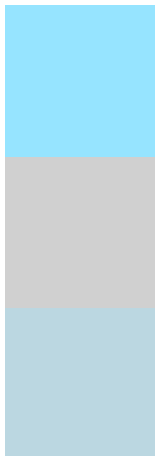
Deuteranomaly

68.0522, 0.2726, 0.2872

Tritanomaly

69.3932, 0.2527, 0.3032

Monochromacy



Original Color

69.1908, 0.2511, 0.2977

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.6019, 0.2867, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1908, 0.2511, 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(150, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.1908, 0.2511, 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(150, 228, 255) }
```

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

```
.border{ border-color:rgb(150, 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(150, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1908, 0.2511, 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(150, 228, 255) }
```

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

```
.background{ background-color: rgb(150,  
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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