

Converting Colors

$Yxy(69.9717, 0.2527, 0.2988)$

Have a look what the booklet for
Yxy(69.9717, 0.2527, 0.2988)
contains.

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Color

Yxy(70.0309, 0.2528, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	99E5FF
RGB	153, 229, 255
RGB Percent	60%, 90%, 100%
CMY	0.3998, 0.1020, 0.0001
CMYK	0.40, 0.10, 0.00, 0.00
HSL	195°, 100%, 80%
HSV	195°, 40%, 100%
XYZ	59.2101, 70.0309, 104.9761
YIQ	209.2400, -53.6420, -8.0260

Conversions

Conversions Part 2

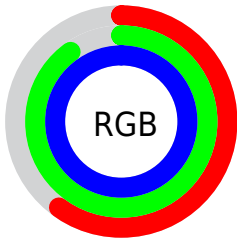
Format	Color
RYB	153, 197, 255
Decimal	10085887
CIELab	87.01, -16.99, -19.97
CIELCh	87, 26.221, 229.612
Yxy	70.0309, 0.2528, 0.2990
Android (android.graphics.Color)	4288275967 (0xFF99E5FF)
YUV	209.2400, 22.5597, -49.3225
Hunter-Lab	83.6845, -20.1520, -15.7959

Details

The Yxy color **70.0309, 0.2528, 0.2990** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.8096, 0.4032, 0.3565**, and the grayscale version is **63.8104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **36.4512, 0.2391, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **64.2819, 0.2398, 0.2901**, and if you desaturate by 10%, it is **76.4500, 0.2670, 0.3074**.

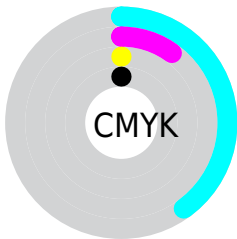
Distribution



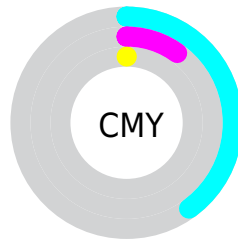
- Red (60%)
- Green (90%)
- Blue (100%)



- 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 70.0309, 0.2528, 0.2990 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 70.0309, 0.2528, 0.2990 by changing the saturation by 10% instead.

 70.0309, 0.2528,
0.2990

 70.0309, 0.2528,
0.2990


460.6585, 0.2800,
0.3135

 51.5517, 0.2467,
0.2956


 119.2528, 0.2621,
0.3041

 36.6479, 0.2393,
0.2913


 150.7644, 0.2658,
0.3061

 24.9350, 0.2300,
0.2859


187.3888, 0.2690,
0.3077

 16.0286, 0.2181,
0.2786

229.5106, 0.2717,
0.3092

 9.5444, 0.2024,
0.2685

277.5140, 0.2742,
0.3105

 5.0979, 0.1808,
0.2539

331.7835, 0.2764,

 2.3048, 0.1498,

0.3116

0.2308

392.7036, 0.2783,
0.3126

0.7763, 0.0810,
0.1947

0.0000, 0.0000,
0.0000

70.0309, 0.2528,
0.2990

70.0309, 0.2528,
0.2990

64.2819, 0.2398,
0.2901

76.4500, 0.2670,
0.3074

59.1594, 0.2282,
0.2808

83.5635, 0.2819,
0.3153

54.6266, 0.2184,
0.2712

91.4043, 0.2973,
0.3225

50.6384, 0.2106,
0.2615

99.9909, 0.3127,
0.3290

■ 47.1415, 0.2048, 99.9979, 0.3127,
0.2519 0.3290

■ 44.0498, 0.2007,
0.2425

■ 44.0402, 0.2007,
0.2424

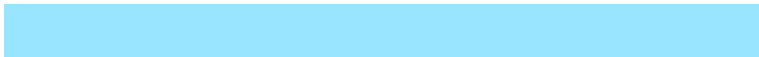
Harmonies

Analogous

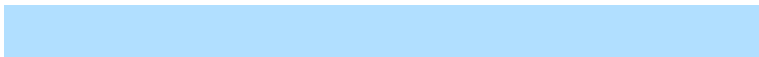
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0309, 0.2617, 0.3269



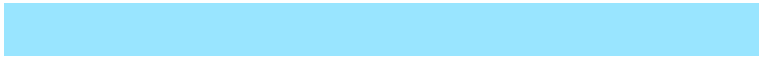
70.0309, 0.2528, 0.2990



70.0309, 0.2589, 0.2812

Triad

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



70.0309, 0.2528, 0.2990



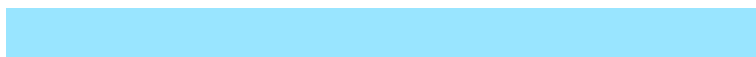
70.0309, 0.3408, 0.3027



70.0309, 0.3456, 0.3861

Complementary

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



70.0309, 0.2528, 0.2990



55.8096, 0.4032, 0.3565

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.



70.0309, 0.3687, 0.3758



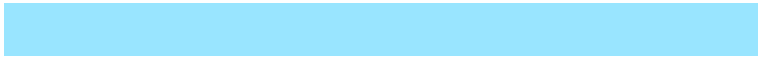
70.0309, 0.2528, 0.2990



70.0309, 0.3662, 0.3276

Square

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



70.0309, 0.2528, 0.2990



70.0309, 0.3084, 0.2844



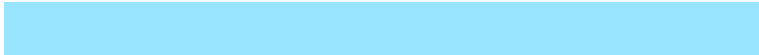
70.0309, 0.3766, 0.3540



70.0309, 0.3144, 0.3798

Rectangle

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



70.0309, 0.2528, 0.2990



70.0309, 0.2707, 0.2766



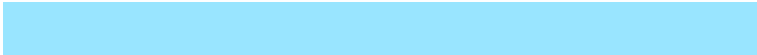
70.0309, 0.3766, 0.3540



70.0309, 0.3546, 0.3843

Sweetspot

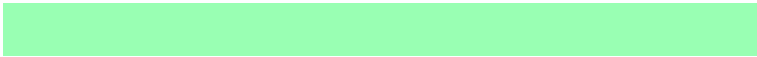
The Sweet Spot groups the original color and five complimentary colors.



70.0336, 0.2528, 0.2990



89.7762, 0.2941, 0.3211



81.5141, 0.2943, 0.4210



18.9917, 0.2921, 0.3201



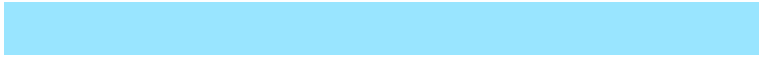
0.0000, 0.0000, 0.0000



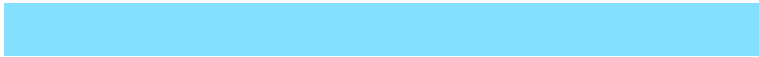
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0336, 0.2528, 0.2990



65.3813, 0.2422, 0.2919



46.0522, 0.2431, 0.2371



19.6515, 0.2980, 0.3228



23.2707, 0.2011, 0.2440



2.4408, 0.2041, 0.2549

Inverse Universe

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



49.7141, 0.3395, 0.2528



43.2970, 0.3467, 0.2383



79.8671, 0.3821, 0.4062



18.2166, 0.3177, 0.3115



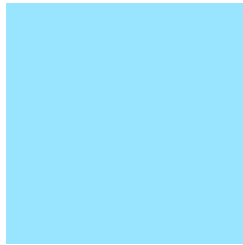
13.0772, 0.3982, 0.1967



1.2909, 0.3874, 0.1908

Previews

White Background



This preview shows how the Yxy color 70.0309, 0.2528, 0.2990 looks on a white background.

Color Contrast Check

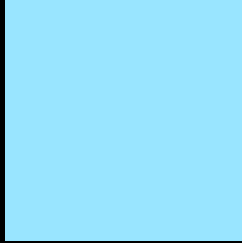
Large Text (above 18pt) WCAG AA × Fail

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 70.0309, 0.2528, 0.2990 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 70.0309, 0.2528, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 70.0309, 0.2528, 0.2990.



This preview shows how white text looks on a background with the Yxy color 70.0309, 0.2528, 0.2990.

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

70.0309, 0.2528, 0.2990

Protanopia

69.2517, 0.2906, 0.2956

Deuteranopia

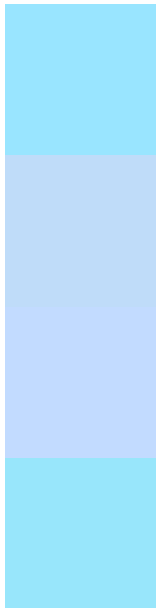
69.7139, 0.2890, 0.2848



Tritanopia

70.0125, 0.2548, 0.3067

Trichromacy



Original Color

70.0309, 0.2528, 0.2990

Protanomaly

69.1023, 0.2756, 0.2968

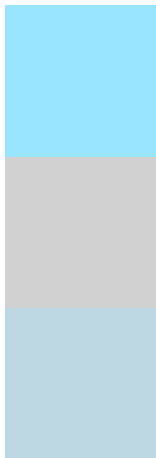
Deuteranomaly

69.3524, 0.2740, 0.2896

Tritanomaly

70.2341, 0.2543, 0.3045

Monochromacy



Original Color

70.0309, 0.2528, 0.2990

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.4215, 0.2875, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0309, 0.2528, 0.2990 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(153, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.0309, 0.2528, 0.2990 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(153, 229, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 229, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 229, 255); box-shadow:4px 4px 4px 4px rgb(153, 229, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0309, 0.2528, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 229, 255) }
```

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

```
.background{ background-color: rgb(153,  
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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