

Converting Colors

$Y_{xy}(73.3176, 0.2547, 0.2875)$

Have a look what the booklet for
Yxy(73.3176, 0.2547, 0.2875)
contains.

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Color

Yxy(72.2486, 0.2611, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	A9E6FF
RGB	169, 230, 255
RGB Percent	66%, 90%, 100%
CMY	0.3371, 0.0980, 0.0001
CMYK	0.34, 0.10, 0.00, 0.00
HSL	197°, 100%, 83%
HSV	197°, 34%, 100%
XYZ	62.7131, 72.2486, 105.2264
YIQ	214.6110, -44.3810, -5.1570

Conversions

Conversions Part 2

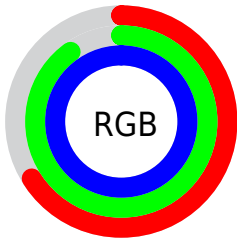
Format	Color
RYB	169, 205, 255
Decimal	11134719
CIELab	88.09, -13.37, -18.27
CIElCh	88, 22.641, 233.813
Yxy	72.2486, 0.2611, 0.3008
Android (android.graphics.Color)	4289324799 (0xFFA9E6FF)
YUV	214.6110, 19.9118, -40.0008
Hunter-Lab	84.9992, -17.0497, -13.8998

Details

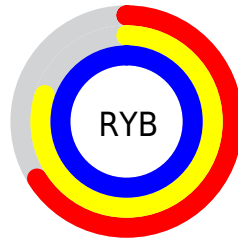
The Yxy color **72.2486, 0.2611, 0.3008** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.7183, 0.3835, 0.3553**, and the grayscale version is **67.5712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **37.9267, 0.2497, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **65.6618, 0.2470, 0.2909**, and if you desaturate by 10%, it is **79.5664, 0.2760, 0.3101**.

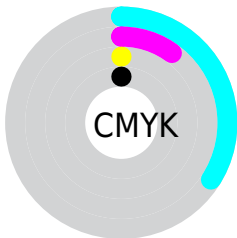
Distribution



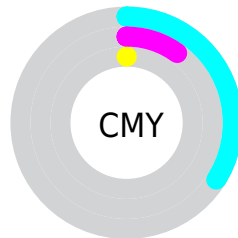
- Red (66%)
- Green (90%)
- Blue (100%)



- Red (66%)
- Yellow (80%)
- Blue (100%)



- Cyan (34%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2486, 0.2611, 0.3008 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 72.2486, 0.2611, 0.3008 by changing the saturation by 10% instead.

72.2486, 0.2611,
0.3008

72.2486, 0.2611,
0.3008

468.4064, 0.2845,
0.3142

53.3618, 0.2559,
0.2977

122.4099, 0.2691,
0.3055

38.0917, 0.2495,
0.2938

154.4532, 0.2723,
0.3073

26.0538, 0.2415,
0.2888

191.6507, 0.2750,
0.3089

16.8639, 0.2312,
0.2823

234.3870, 0.2774,
0.3102

10.1375, 0.2176,
0.2733

283.0462, 0.2795,
0.3114

5.4902, 0.1988,
0.2603

338.0130, 0.2814,

2.5377, 0.1713,

0.3124

0.2400

399.6716, 0.2830,
0.3134

0.8954, 0.1211,
0.2067

0.0000, 0.0000,
0.0000

72.2486, 0.2611,
0.3008

72.2486, 0.2611,
0.3008

65.6618, 0.2470,
0.2909

79.5664, 0.2760,
0.3101

59.7632, 0.2340,
0.2804

87.6384, 0.2914,
0.3186

54.5181, 0.2225,
0.2695

96.4967, 0.3070,
0.3263

49.8845, 0.2129,
0.2584

99.9985, 0.3127,
0.3290

■ 45.8138, 0.2053,
0.2473

■ 42.2473, 0.1997,
0.2362

■ 40.2074, 0.1971,
0.2294

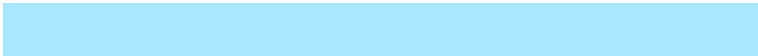
Harmonies

Analogous

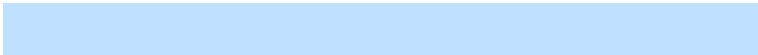
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2486, 0.2670, 0.3238



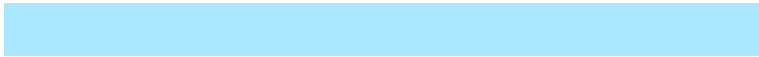
72.2486, 0.2611, 0.3008



72.2486, 0.2681, 0.2868

Triad

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



72.2486, 0.2611, 0.3008



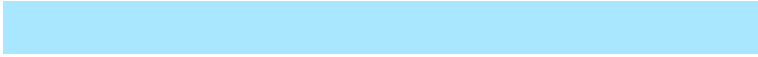
72.2486, 0.3403, 0.3092



72.2486, 0.3375, 0.3778

Complementary

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



72.2486, 0.2611, 0.3008



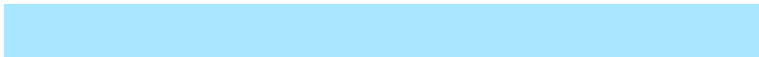
62.7183, 0.3835, 0.3553

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.



72.2486, 0.3585, 0.3711



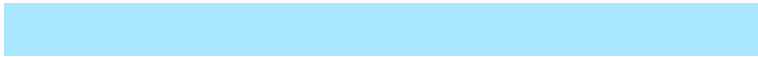
72.2486, 0.2611, 0.3008



72.2486, 0.3605, 0.3312

Square

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



72.2486, 0.2611, 0.3008



72.2486, 0.3131, 0.2922



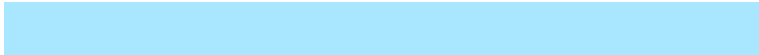
72.2486, 0.3672, 0.3537



72.2486, 0.3105, 0.3701

Rectangle

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



72.2486, 0.2611, 0.3008



72.2486, 0.2795, 0.2837



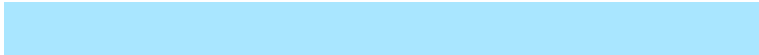
72.2486, 0.3672, 0.3537



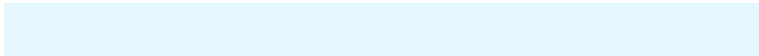
72.2486, 0.3456, 0.3770

Sweetspot

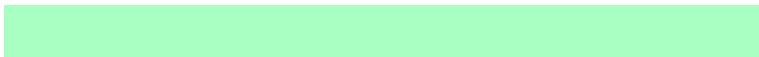
The Sweet Spot groups the original color and five complimentary colors.



72.2514, 0.2611, 0.3008



90.8416, 0.2972, 0.3215



83.8133, 0.2954, 0.4006



19.1822, 0.2950, 0.3204



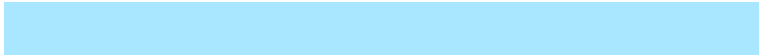
0.0000, 0.0000, 0.0000



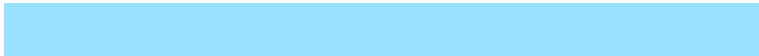
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2514, 0.2611, 0.3008



68.0316, 0.2521, 0.2946



51.4836, 0.2546, 0.2504



19.5369, 0.2980, 0.3219



21.2837, 0.1976, 0.2312



2.2608, 0.2010, 0.2437

Inverse Universe

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



55.3632, 0.3369, 0.2675



49.4978, 0.3428, 0.2561



84.3197, 0.3694, 0.3968



18.2051, 0.3183, 0.3123



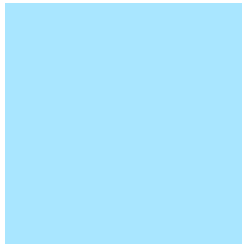
12.8766, 0.4114, 0.2040



1.2728, 0.3986, 0.1969

Previews

White Background



This preview shows how the Yxy color 72.2486, 0.2611, 0.3008 looks on a white background.

Color Contrast Check

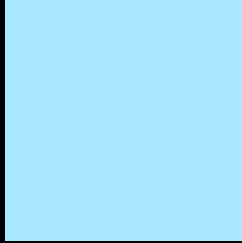
Large Text (above 18pt) WCAG AA × Fail

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 72.2486, 0.2611, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

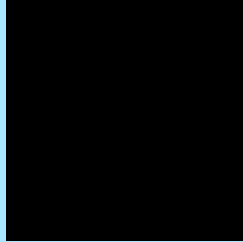
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.2486, 0.2611, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 72.2486, 0.2611, 0.3008.



This preview shows how white text looks on a background with the Yxy color 72.2486, 0.2611, 0.3008.

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

72.2486, 0.2611, 0.3008

Protanopia

72.0393, 0.2922, 0.2981

Deuteranopia

71.5089, 0.2925, 0.2873



Tritanopia

72.3162, 0.2637, 0.3084

Trichromacy



Original Color

72.2486, 0.2611, 0.3008

Protanomaly

71.8825, 0.2797, 0.2985

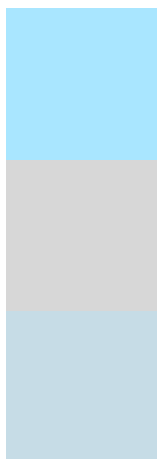
Deuteranomaly

71.1029, 0.2797, 0.2913

Tritanomaly

72.4417, 0.2627, 0.3062

Monochromacy



Original Color

72.2486, 0.2611, 0.3008

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.9053, 0.2912, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2486, 0.2611, 0.3008 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(169, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 230, 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(169, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.2486, 0.2611, 0.3008 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(169, 230, 255) }
```

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

```
.border{ border-color:rgb(169, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2486, 0.2611, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 230, 255) }
```

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

```
.background{ background-color: rgb(169,  
230, 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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