

Converting Colors

$Y_{xy}(71.1036, 0.2319, 0.2322)$

Have a look what the booklet for
Yxy(71.1036, 0.2319, 0.2322)
contains.

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Color

Yxy(66.7312, 0.2590, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	A8DCFF
RGB	168, 220, 255
RGB Percent	66%, 86%, 100%
CMY	0.3413, 0.1372, 0.0001
CMYK	0.34, 0.14, 0.00, 0.00
HSL	204°, 100%, 83%
HSV	204°, 34%, 100%
XYZ	59.7834, 66.7312, 104.3093
YIQ	208.4420, -42.2270, -0.1390

Conversions

Conversions Part 2

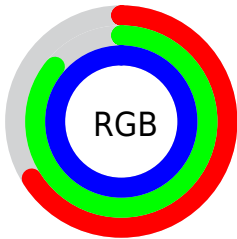
Format	Color
RYB	168, 201, 255
Decimal	11066623
CIELab	85.37, -8.53, -22.39
CIELCh	85, 23.957, 249.142
Yxy	66.7312, 0.2590, 0.2891
Android (android.graphics.Color)	4289256703 (0xFFA8DCFF)
YUV	208.4420, 22.9531, -35.4676
Hunter-Lab	81.6892, -12.3226, -18.5253

Details

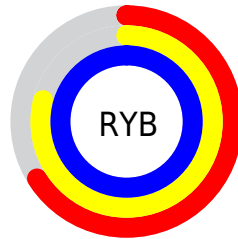
The Yxy color **66.7312, 0.2590, 0.2891** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.7609, 0.3813, 0.3655**, and the grayscale version is **63.2449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **34.4982, 0.2468, 0.2795** is the 20% darker color. If you saturate the color by 10%, you get **58.9901, 0.2437, 0.2750**, and if you desaturate by 10%, it is **75.3557, 0.2748, 0.3022**.

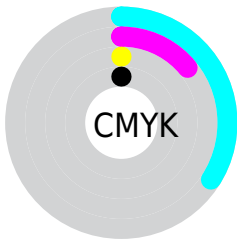
Distribution



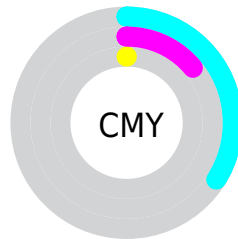
- Red (66%)
- Green (86%)
- Blue (100%)



- Red (66%)
- Yellow (79%)
- Blue (100%)



- Cyan (34%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7312, 0.2590, 0.2891 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 66.7312, 0.2590, 0.2891 by changing the saturation by 10% instead.

66.7312, 0.2590,
0.2891

66.7312, 0.2590,
0.2891

448.9874, 0.2837,
0.3080

48.8662, 0.2534,
0.2847

114.5352, 0.2675,
0.2957

34.5134, 0.2466,
0.2793

145.2429, 0.2709,
0.2983

23.2883, 0.2379,
0.2724

181.0004, 0.2737,
0.3004

14.8065, 0.2268,
0.2633

222.1920, 0.2762,
0.3023

8.6837, 0.2120,
0.2509

269.2021, 0.2785,
0.3040

4.5354, 0.1913,
0.2331

322.4151, 0.2804,

1.9774, 0.1609,

0.3055

0.2058

382.2154, 0.2822,
0.3068

0.5943, 0.0944,
0.1573

0.0000, 0.0000,
0.0000

66.7312, 0.2590,
0.2891

66.7312, 0.2590,
0.2891

58.9901, 0.2437,
0.2750

75.3557, 0.2748,
0.3022

52.0865, 0.2294,
0.2601

84.8911, 0.2907,
0.3141

45.9815, 0.2163,
0.2446

95.3730, 0.3064,
0.3249

40.6288, 0.2051,
0.2288

99.9980, 0.3127,
0.3290

■ 35.9755, 0.1960,
0.2131

■ 31.9582, 0.1890,
0.1977

■ 29.8418, 0.1858,
0.1889

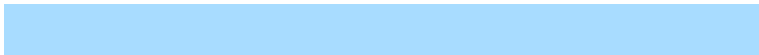
Harmonies

Analogous

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



66.7312, 0.2582, 0.3095



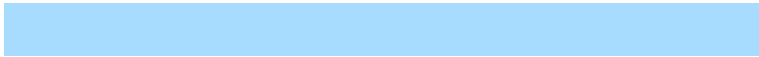
66.7312, 0.2590, 0.2891



66.7312, 0.2733, 0.2802

Triad

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



66.7312, 0.2590, 0.2891



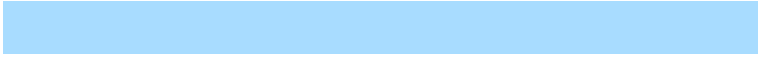
66.7312, 0.3554, 0.3192



66.7312, 0.3249, 0.3799

Complementary

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



66.7312, 0.2590, 0.2891



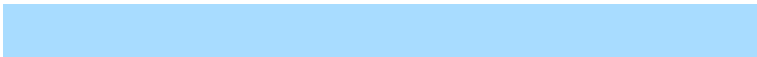
66.7609, 0.3813, 0.3655

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.



66.7312, 0.3521, 0.3803



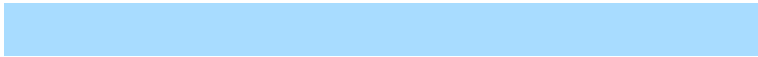
66.7312, 0.2590, 0.2891



66.7312, 0.3705, 0.3440

Square

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



66.7312, 0.2590, 0.2891



66.7312, 0.3286, 0.2976



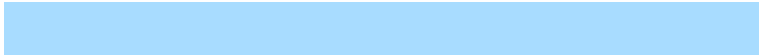
66.7312, 0.3691, 0.3664



66.7312, 0.2953, 0.3638

Rectangle

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



66.7312, 0.2590, 0.2891



66.7312, 0.2892, 0.2811



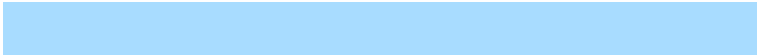
66.7312, 0.3691, 0.3664



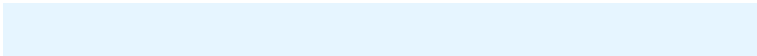
66.7312, 0.3346, 0.3818

Sweetspot

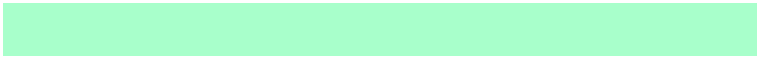
The Sweet Spot groups the original color and five complimentary colors.



66.7338, 0.2590, 0.2891



89.1160, 0.2972, 0.3187



84.1233, 0.2899, 0.3893



18.7637, 0.2949, 0.3171



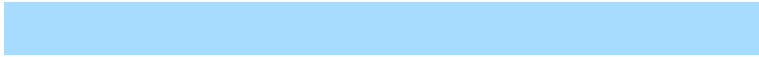
0.0000, 0.0000, 0.0000



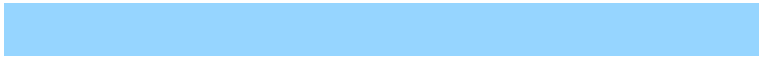
21.4041, 0.3127, 0.3290

Same Dimension

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



66.7338, 0.2590, 0.2891



61.3296, 0.2484, 0.2795



46.8575, 0.2521, 0.2370



19.1850, 0.2979, 0.3192



15.8977, 0.1865, 0.1914



1.7621, 0.1913, 0.2086

Inverse Universe

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



54.4194, 0.3456, 0.2760



48.0201, 0.3547, 0.2652



90.1559, 0.3670, 0.4068



18.1695, 0.3200, 0.3149



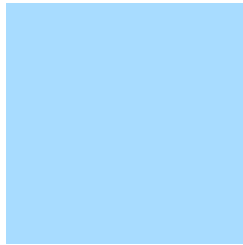
12.3328, 0.4552, 0.2281



1.2224, 0.4356, 0.2173

Previews

White Background



This preview shows how the Yxy color 66.7312, 0.2590, 0.2891 looks on a white background.

Color Contrast Check

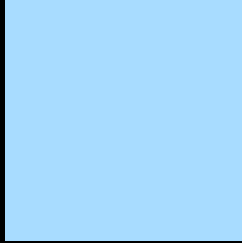
Large Text (above 18pt) WCAG AA × Fail

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 66.7312, 0.2590, 0.2891 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

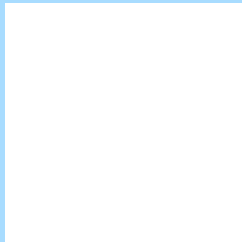
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.7312, 0.2590, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 66.7312, 0.2590, 0.2891.



This preview shows how white text looks on a background with the Yxy color 66.7312, 0.2590, 0.2891.

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

66.7312, 0.2590, 0.2891

Protanopia

66.4072, 0.2839, 0.2875

Deuteranopia

66.1806, 0.2841, 0.2787



Tritanopia

66.4263, 0.2648, 0.3078

Trichromacy



Original Color

66.7312, 0.2590, 0.2891

Protanomaly

66.2646, 0.2745, 0.2879

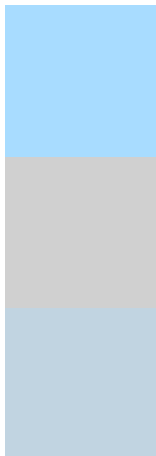
Deuteranomaly

65.9091, 0.2740, 0.2817

Tritanomaly

66.3048, 0.2626, 0.3010

Monochromacy



Original Color

66.7312, 0.2590, 0.2891

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.8607, 0.2906, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7312, 0.2590, 0.2891 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(168, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 220, 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(168, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.7312, 0.2590, 0.2891 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(168, 220, 255) }
```

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

```
.border{ border-color:rgb(168, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7312, 0.2590, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 220, 255) }
```

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

```
.background{ background-color: rgb(168,  
220, 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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