

Converting Colors

$Yxy(78.8096, 0.2437, 0.2726)$

Have a look what the booklet for
Yxy(78.8096, 0.2437, 0.2726)
contains.

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Color

Yxy(76.3684, 0.2602, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	A5EEFF
RGB	165, 238, 255
RGB Percent	65%, 93%, 100%
CMY	0.3530, 0.0666, 0.0000
CMYK	0.35, 0.07, 0.00, 0.00
HSL	191°, 100%, 82%
HSV	191°, 35%, 100%
XYZ	64.1416, 76.3684, 105.9987
YIQ	218.1110, -48.9650, -10.1890

Conversions

Conversions Part 2

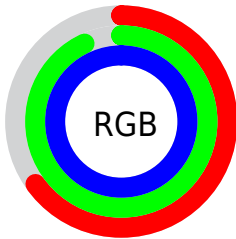
Format	Color
R_{YB}	165, 205, 255
Decimal	10874623
CIE _{Lab}	90.03, -18.46, -15.41
CIE _{LCh}	90, 24.044, 219.853
Yxy	76.3684, 0.2602, 0.3098
Android (android.graphics.Color)	4289064703 (0xFFA5EEFF)
YUV	218.1110, 18.1863, -46.5783
Hunter-Lab	87.3890, -21.9158, -10.7437

Details

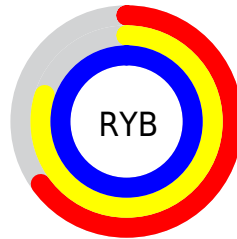
The Yxy color **76.3684, 0.2602, 0.3098** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.4181, 0.3914, 0.3471**, and the grayscale version is **70.0851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **40.7843, 0.2488, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **71.1365, 0.2473, 0.3035**, and if you desaturate by 10%, it is **82.2213, 0.2743, 0.3158**.

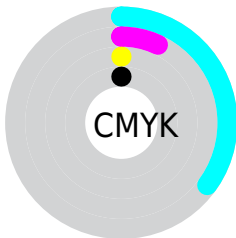
Distribution



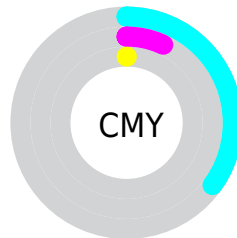
- Red (65%)
- Green (93%)
- Blue (100%)



- Red (65%)
- Yellow (80%)
- Blue (100%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3684, 0.2602, 0.3098 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 76.3684, 0.2602, 0.3098 by changing the saturation by 10% instead.

 76.3684, 0.2602,
0.3098


 76.3684, 0.2602,
0.3098

482.6079, 0.2838,
0.3191

 56.7346, 0.2550,
0.3076


 128.2475, 0.2683,
0.3131

 40.7922, 0.2486,
0.3049


 161.2617, 0.2714,
0.3143

 28.1568, 0.2407,
0.3013


199.5048, 0.2742,
0.3154

 18.4439, 0.2306,
0.2967

243.3612, 0.2766,
0.3163

 11.2691, 0.2173,
0.2902

293.2153, 0.2787,
0.3171

 6.2482, 0.1990,
0.2806

349.4515, 0.2806,

 2.9966, 0.1726,

0.3179

412.4542, 0.2823,
0.3185

0.2655

1.1299, 0.1282,
0.2395

0.0033, 0.0000,
0.0031

76.3684, 0.2602,
0.3098

76.3684, 0.2602,
0.3098

71.1365, 0.2473,
0.3035

82.2213, 0.2743,
0.3158

66.4910, 0.2359,
0.2969

88.7242, 0.2891,
0.3214

62.3957, 0.2262,
0.2900

95.9058, 0.3045,
0.3265

58.8094, 0.2184,
0.2831

100.0000, 0.3127,
0.3290

■ 55.6839, 0.2126,
0.2762

■ 52.9600, 0.2086,
0.2693

■ 51.7799, 0.2073,
0.2661

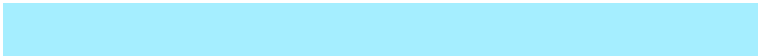
Harmonies

Analogous

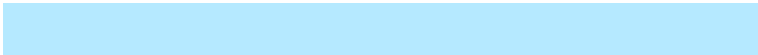
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3684, 0.2724, 0.3362



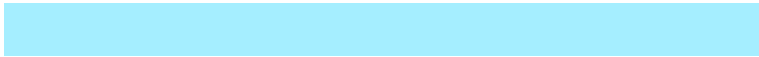
76.3684, 0.2602, 0.3098



76.3684, 0.2613, 0.2904

Triad

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



76.3684, 0.2602, 0.3098



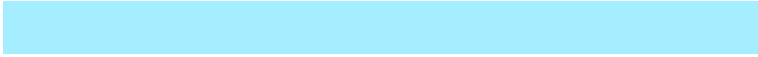
76.3684, 0.3287, 0.2992



76.3684, 0.3500, 0.3783

Complementary

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



76.3684, 0.2602, 0.3098



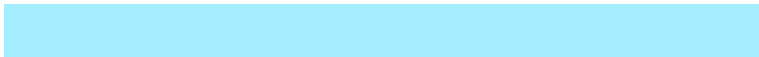
57.4181, 0.3914, 0.3471

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.



76.3684, 0.3666, 0.3655



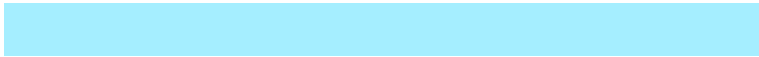
76.3684, 0.2602, 0.3098



76.3684, 0.3542, 0.3202

Square

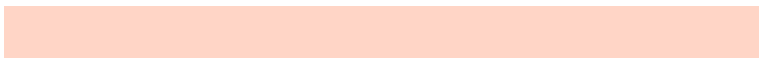
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3684, 0.2602, 0.3098



76.3684, 0.2997, 0.2855



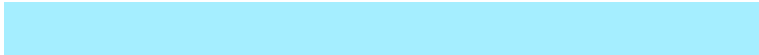
76.3684, 0.3683, 0.3441



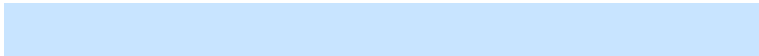
76.3684, 0.3238, 0.3775

Rectangle

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



76.3684, 0.2602, 0.3098



76.3684, 0.2693, 0.2835



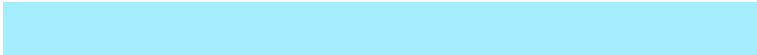
76.3684, 0.3683, 0.3441



76.3684, 0.3569, 0.3754

Sweetspot

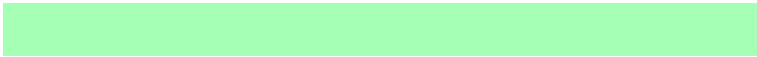
The Sweet Spot groups the original color and five complimentary colors.



76.3689, 0.2602, 0.3098



91.7308, 0.2957, 0.3236



82.8723, 0.2993, 0.4157



19.4285, 0.2936, 0.3229



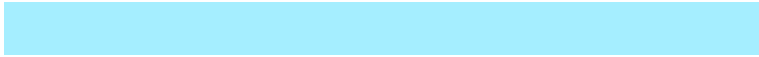
0.0000, 0.0000, 0.0000



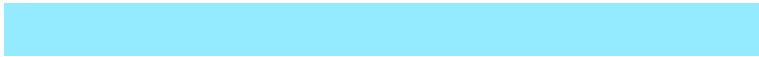
21.4041, 0.3127, 0.3290

Same Dimension

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



76.3689, 0.2602, 0.3098



72.7990, 0.2514, 0.3056



53.5697, 0.2530, 0.2570



19.8641, 0.2980, 0.3244



27.2647, 0.2076, 0.2672



2.7980, 0.2097, 0.2751

Inverse Universe

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



54.3340, 0.3305, 0.2561



48.3941, 0.3349, 0.2427



78.6360, 0.3753, 0.3916



18.2381, 0.3167, 0.3099



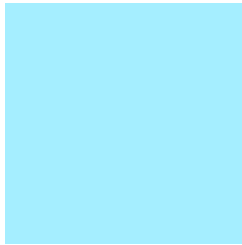
13.4803, 0.3754, 0.1842



1.3270, 0.3681, 0.1801

Previews

White Background



This preview shows how the Yxy color 76.3684, 0.2602, 0.3098 looks on a white background.

Color Contrast Check

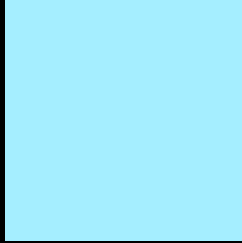
Large Text (above 18pt) WCAG AA × Fail

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 76.3684, 0.2602, 0.3098 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 76.3684, 0.2602, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 76.3684, 0.2602, 0.3098.

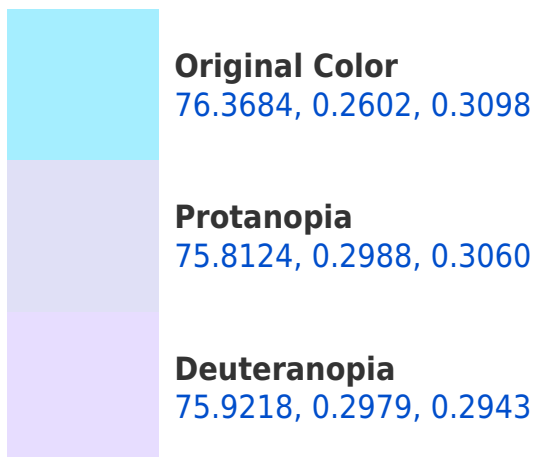


This preview shows how white text looks on a background with the Yxy color 76.3684, 0.2602, 0.3098.

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





Tritanopia

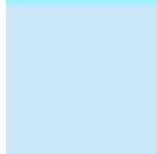
76.3344, 0.2626, 0.3088

Trichromacy



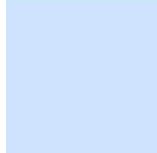
Original Color

76.3684, 0.2602, 0.3098



Protanomaly

75.5747, 0.2837, 0.3074



Deuteranomaly

75.4236, 0.2826, 0.2992



Tritanomaly

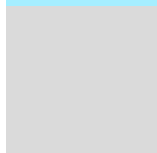
76.1132, 0.2616, 0.3088

Monochromacy



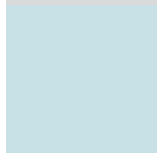
Original Color

76.3684, 0.2602, 0.3098



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

71.7621, 0.2914, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3684, 0.2602, 0.3098 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(165, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 238, 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(165, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.3684, 0.2602, 0.3098 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(165, 238, 255) }
```

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

```
.border{ border-color:rgb(165, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3684, 0.2602, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 238, 255) }
```

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

```
.background{ background-color: rgb(165,  
238, 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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