

Converting Colors

$Yxy(81.9913, 0.2223, 0.2212)$

Have a look what the booklet for
Yxy(81.9913, 0.2223, 0.2212)
contains.

Yxy(74.1726, 0.2601, 0.3053)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(74.1726, 0.2601, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	A6EAFF
RGB	166, 234, 255
RGB Percent	65%, 92%, 100%
CMY	0.3492, 0.0823, 0.0000
CMYK	0.35, 0.08, 0.00, 0.00
HSL	194°, 100%, 83%
HSV	194°, 35%, 100%
XYZ	63.1913, 74.1726, 105.5860
YIQ	216.0620, -47.2690, -7.8850

Conversions

Conversions Part 2

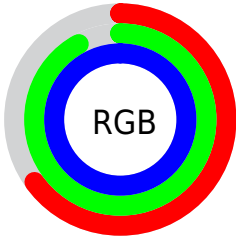
Format	Color
R _Y B	166, 205, 255
Decimal	10939135
CIE Lab	89.00, -16.21, -16.92
CIE LCh	89, 23.433, 226.223
Yxy	74.1726, 0.2601, 0.3053
Android (android.graphics.Color)	4289129215 (0xFFA6E AFF)
YUV	216.0620, 19.1964, -43.9044
Hunter-Lab	86.1235, -19.7456, -12.4021

Details

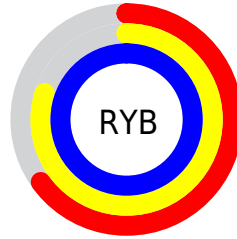
The Yxy color **74.1726, 0.2601, 0.3053** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.5270, 0.3887, 0.3512**, and the grayscale version is **68.6011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **39.2330, 0.2483, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **68.3244, 0.2467, 0.2973**, and if you desaturate by 10%, it is **80.6889, 0.2745, 0.3128**.

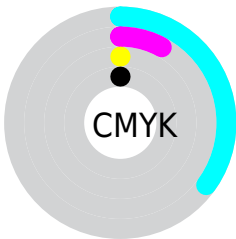
Distribution



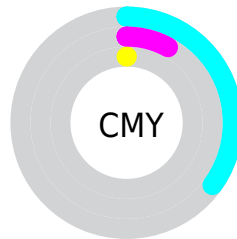
- Red (65%)
- Green (92%)
- Blue (100%)



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



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.1726, 0.2601, 0.3053 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 74.1726, 0.2601, 0.3053 by changing the saturation by 10% instead.

 74.1726, 0.2601,
0.3053

 74.1726, 0.2601,
0.3053


475.0689, 0.2839,
0.3166

 54.9353, 0.2548,
0.3026


 125.1405, 0.2682,
0.3093

 39.3499, 0.2484,
0.2993


 157.6398, 0.2714,
0.3108

 27.0321, 0.2403,
0.2951


195.3286, 0.2742,
0.3121

 17.5973, 0.2301,
0.2894

238.5914, 0.2766,
0.3133

 10.6613, 0.2165,
0.2817

287.8123, 0.2788,
0.3143

 5.8395, 0.1978,
0.2703

343.3760, 0.2807,

 2.7478, 0.1706,

0.3152

0.2525

405.6667, 0.2823,
0.3159

■ 1.0015, 0.1227,
0.2227

■ 0.0000, 0.0000,
0.0000

■ 74.1726, 0.2601,
0.3053

■ 74.1726, 0.2601,
0.3053

■ 68.3244, 0.2467,
0.2973

■ 80.6889, 0.2745,
0.3128

■ 63.1020, 0.2346,
0.2889

■ 87.8955, 0.2896,
0.3198

■ 58.4712, 0.2241,
0.2802

■ 95.8240, 0.3051,
0.3261

■ 54.3904, 0.2156,
0.2714

99.9995, 0.3127,
0.3290

■ 50.8113, 0.2090,
0.2625

■ 47.6746, 0.2044,
0.2538

■ 46.2066, 0.2026,
0.2494

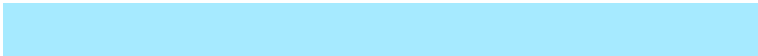
Harmonies

Analogous

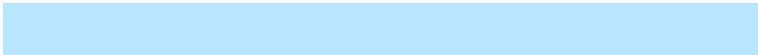
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.1726, 0.2695, 0.3304



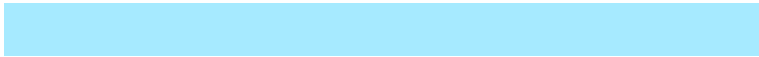
74.1726, 0.2601, 0.3053



74.1726, 0.2640, 0.2883

Triad

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



74.1726, 0.2601, 0.3053



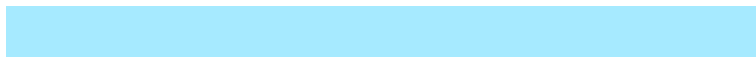
74.1726, 0.3343, 0.3036



74.1726, 0.3445, 0.3786

Complementary

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



74.1726, 0.2601, 0.3053



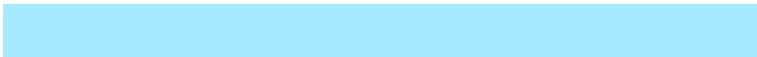
59.5270, 0.3887, 0.3512

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.



74.1726, 0.3634, 0.3685



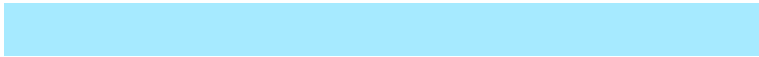
74.1726, 0.2601, 0.3053



74.1726, 0.3576, 0.3253

Square

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



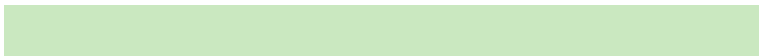
74.1726, 0.2601, 0.3053



74.1726, 0.3058, 0.2882



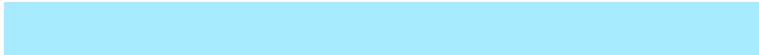
74.1726, 0.3684, 0.3487



74.1726, 0.3176, 0.3746

Rectangle

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



74.1726, 0.2601, 0.3053



74.1726, 0.2737, 0.2831



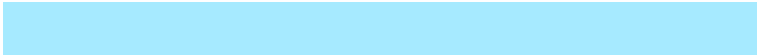
74.1726, 0.3684, 0.3487



74.1726, 0.3520, 0.3767

Sweetspot

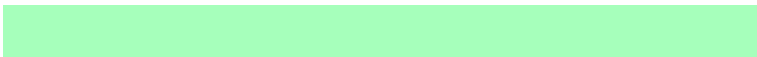
The Sweet Spot groups the original color and five complimentary colors.



74.1755, 0.2601, 0.3053



91.7062, 0.2972, 0.3230



83.1947, 0.2971, 0.4091



19.3922, 0.2950, 0.3221



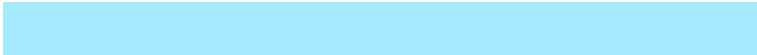
0.0000, 0.0000, 0.0000



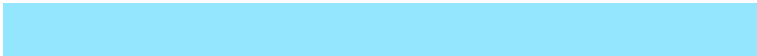
21.4041, 0.3127, 0.3290

Same Dimension

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



74.1755, 0.2601, 0.3053



69.9679, 0.2505, 0.2997



52.0218, 0.2530, 0.2525



19.7131, 0.2980, 0.3233



24.3866, 0.2030, 0.2508



2.5412, 0.2058, 0.2608

Inverse Universe

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



54.4591, 0.3338, 0.2607



48.1083, 0.3394, 0.2471



81.3030, 0.3730, 0.3951



18.2228, 0.3174, 0.3110



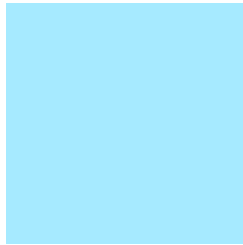
13.1898, 0.3914, 0.1930



1.3011, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 74.1726, 0.2601, 0.3053 looks on a white background.

Color Contrast Check

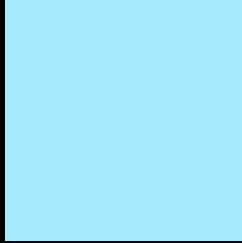
Large Text (above 18pt) WCAG AA × Fail

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 74.1726, 0.2601, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

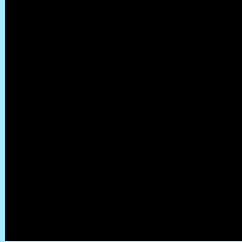
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.1726, 0.2601, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 74.1726, 0.2601, 0.3053.



This preview shows how white text looks on a background with the Yxy color 74.1726, 0.2601, 0.3053.

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

74.1726, 0.2601, 0.3053

Protanopia

73.6439, 0.2955, 0.3016

Deuteranopia

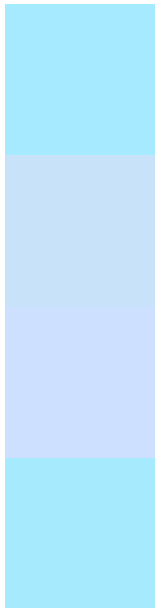
73.6937, 0.2952, 0.2908



Tritanopia

74.0445, 0.2611, 0.3075

Trichromacy



Original Color

74.1726, 0.2601, 0.3053

Protanomaly

73.5742, 0.2811, 0.3029

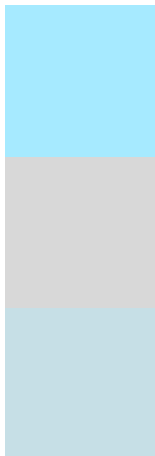
Deuteranomaly

73.5104, 0.2812, 0.2958

Tritanomaly

74.1084, 0.2606, 0.3064

Monochromacy



Original Color

74.1726, 0.2601, 0.3053

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

70.4943, 0.2913, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.1726, 0.2601, 0.3053 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(166, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 234, 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(166, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.1726, 0.2601, 0.3053 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(166, 234, 255) }
```

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

```
.border{ border-color:rgb(166, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.1726, 0.2601, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 234, 255) }
```

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

```
.background{ background-color: rgb(166,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor