

Converting Colors

$Yxy(80.1836, 0.2356, 0.2460)$

Have a look what the booklet for
Yxy(80.1836, 0.2356, 0.2460)
contains.

Yxy(75.4073, 0.2634, 0.3066)	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(75.4073, 0.2634, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	ACEBFF
RGB	172, 235, 255
RGB Percent	67%, 92%, 100%
CMY	0.3252, 0.0785, 0.0000
CMYK	0.33, 0.08, 0.00, 0.00
HSL	194°, 100%, 84%
HSV	194°, 33%, 100%
XYZ	64.7824, 75.4073, 105.7571
YIQ	218.4430, -43.9680, -7.1360

Conversions

Conversions Part 2

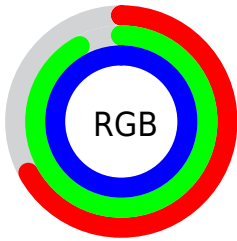
Format	Color
R _Y B	172, 208, 255
Decimal	11332607
CIE Lab	89.58, -15.08, -16.03
CIE LCh	90, 22.004, 226.749
Yxy	75.4073, 0.2634, 0.3066
Android (android.graphics.Color)	4289522687 (0xFFACEBFF)
YUV	218.4430, 18.0226, -40.7305
Hunter-Lab	86.8374, -18.8009, -11.4217

Details

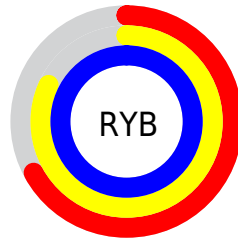
The Yxy color **75.4073, 0.2634, 0.3066** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.9711, 0.3817, 0.3501**, and the grayscale version is **70.3378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **40.0993, 0.2527, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **69.3327, 0.2496, 0.2985**, and if you desaturate by 10%, it is **82.1618, 0.2781, 0.3142**.

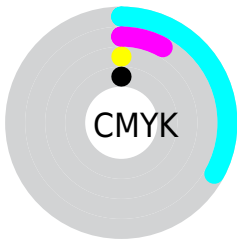
Distribution



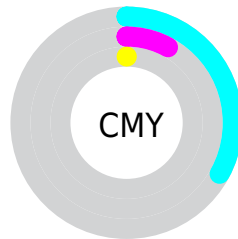
- Red (67%)
- Green (92%)
- Blue (100%)



- Red (67%)
- Yellow (82%)
- Blue (100%)



- Cyan (33%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4073, 0.2634, 0.3066 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 75.4073, 0.2634, 0.3066 by changing the saturation by 10% instead.


 75.4073, 0.2634,
0.3066

 75.4073, 0.2634,
0.3066

479.3163, 0.2857,
0.3173

 55.9466, 0.2585,
0.3041


 126.8887, 0.2710,
0.3103

 40.1601, 0.2524,
0.3010


159.6783, 0.2740,
0.3118

 27.6634, 0.2449,
0.2970


197.6796, 0.2766,
0.3130

 18.0721, 0.2353,
0.2918

241.2771, 0.2789,
0.3141

 11.0018, 0.2226,
0.2846

290.8551, 0.2809,
0.3150

 6.0680, 0.2050,
0.2741

346.7981, 0.2826,

 2.8865, 0.1795,

0.3159

0.2576

409.4903, 0.2842,
0.3166

■ 1.0728, 0.1370,
0.2296

■ 0.0000, 0.0000,
0.0000

■ 75.4073, 0.2634,
0.3066

■ 75.4073, 0.2634,
0.3066

■ 69.3327, 0.2496,
0.2985

■ 82.1618, 0.2781,
0.3142

■ 63.8983, 0.2371,
0.2900

■ 89.6200, 0.2933,
0.3211

■ 59.0701, 0.2262,
0.2812

■ 97.8124, 0.3088,
0.3275

■ 54.8077, 0.2171,
0.2721

100.0000, 0.3127,
0.3290

■ 51.0645, 0.2100,
0.2630

■ 47.7843, 0.2048,
0.2540

■ 45.5736, 0.2021,
0.2474

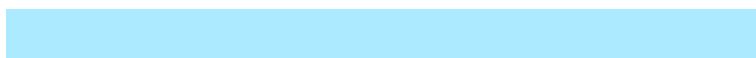
Harmonies

Analogous

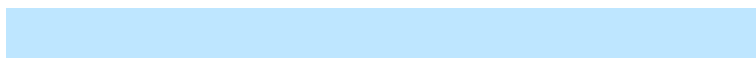
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4073, 0.2720, 0.3299



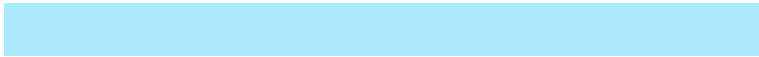
75.4073, 0.2634, 0.3066



75.4073, 0.2673, 0.2908

Triad

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



75.4073, 0.2634, 0.3066



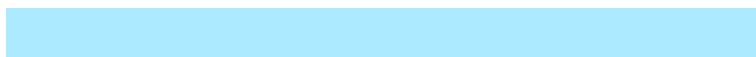
75.4073, 0.3334, 0.3055



75.4073, 0.3421, 0.3754

Complementary

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



75.4073, 0.2634, 0.3066



61.9711, 0.3817, 0.3501

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.



75.4073, 0.3598, 0.3663



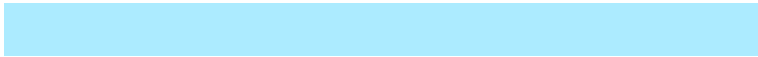
75.4073, 0.2634, 0.3066



75.4073, 0.3549, 0.3260

Square

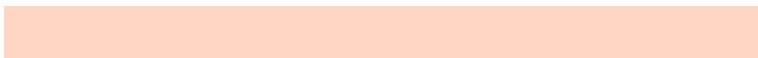
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



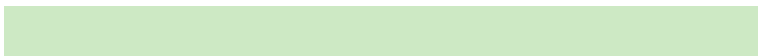
75.4073, 0.2634, 0.3066



75.4073, 0.3068, 0.2910



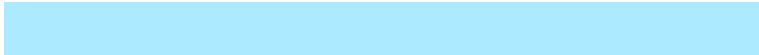
75.4073, 0.3647, 0.3480



75.4073, 0.3169, 0.3712

Rectangle

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



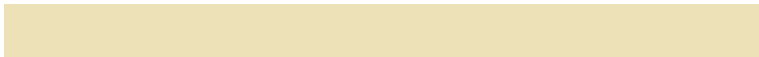
75.4073, 0.2634, 0.3066



75.4073, 0.2765, 0.2860



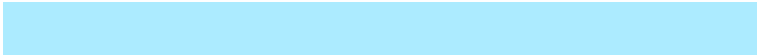
75.4073, 0.3647, 0.3480



75.4073, 0.3491, 0.3737

Sweetspot

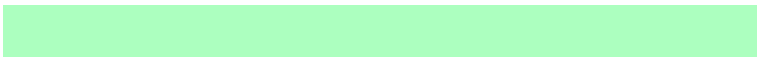
The Sweet Spot groups the original color and five complimentary colors.



75.4095, 0.2634, 0.3066



91.6180, 0.2972, 0.3228



84.0775, 0.2981, 0.4027



19.3707, 0.2950, 0.3219



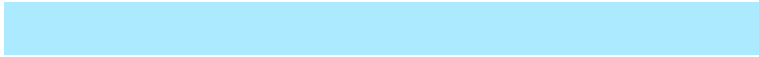
0.0000, 0.0000, 0.0000



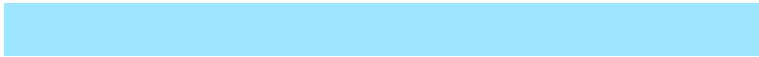
21.4041, 0.3127, 0.3290

Same Dimension

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



75.4095, 0.2634, 0.3066



71.3995, 0.2544, 0.3014



54.6608, 0.2574, 0.2586



19.6951, 0.2980, 0.3231



24.0576, 0.2025, 0.2488



2.5117, 0.2053, 0.2591

Inverse Universe

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



56.7863, 0.3324, 0.2659



50.6562, 0.3375, 0.2533



82.4526, 0.3685, 0.3905



18.2210, 0.3175, 0.3111



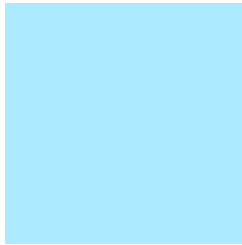
13.1566, 0.3934, 0.1941



1.2981, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 75.4073, 0.2634, 0.3066 looks on a white background.

Color Contrast Check

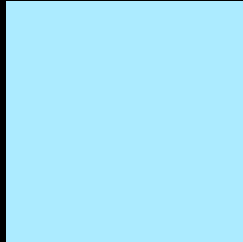
Large Text (above 18pt) WCAG AA × Fail

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 75.4073, 0.2634, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

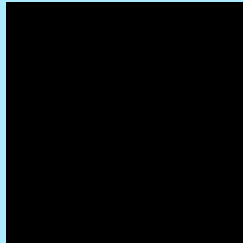
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.4073, 0.2634, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 75.4073, 0.2634, 0.3066.

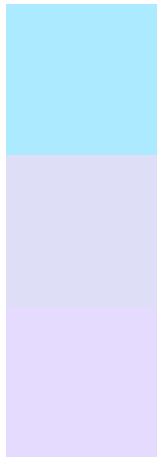


This preview shows how white text looks on a background with the Yxy color 75.4073, 0.2634, 0.3066.

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

75.4073, 0.2634, 0.3066

Protanopia

75.0203, 0.2968, 0.3038

Deuteranopia

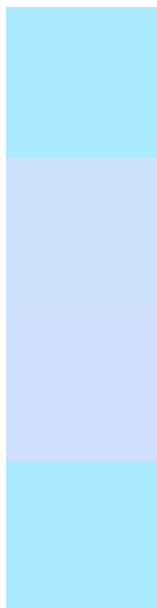
74.5410, 0.2966, 0.2920



Tritanopia

75.3431, 0.2639, 0.3077

Trichromacy



Original Color

75.4073, 0.2634, 0.3066

Protanomaly

74.6777, 0.2836, 0.3042

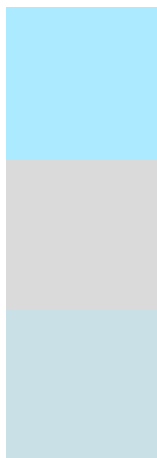
Deuteranomaly

74.4803, 0.2831, 0.2971

Tritanomaly

75.3431, 0.2639, 0.3077

Monochromacy



Original Color

75.4073, 0.2634, 0.3066

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.4983, 0.2927, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4073, 0.2634, 0.3066 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(172, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 235, 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(172, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.4073, 0.2634, 0.3066 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(172, 235, 255) }
```

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

```
.border{ border-color:rgb(172, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4073, 0.2634, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 235, 255) }
```

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

```
.background{ background-color: rgb(172,  
235, 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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