

Converting Colors

$Yxy(81.5803, 0.2354, 0.2338)$

Have a look what the booklet for
Yxy(81.5803, 0.2354, 0.2338)
contains.

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Color

Yxy(75.8121, 0.2702, 0.3048)

Conversions

Conversions Part 1

Format	Color
Hex	B9E9FF
RGB	185, 233, 255
RGB Percent	73%, 91%, 100%
CMY	0.2743, 0.0863, 0.0000
CMYK	0.27, 0.09, 0.00, 0.00
HSL	199°, 100%, 86%
HSV	199°, 27%, 100%
XYZ	67.2061, 75.8121, 105.7091
YIQ	221.1560, -35.6700, -3.3340

Conversions

Conversions Part 2

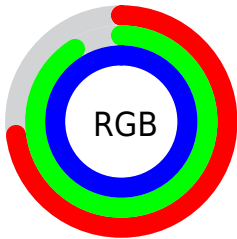
Format	Color
R _Y B	185, 213, 255
Decimal	12184063
CIE Lab	89.77, -10.47, -15.67
CIE LCh	90, 18.847, 236.255
Yxy	75.8121, 0.2702, 0.3048
Android (android.graphics.Color)	4290374143 (0xFFB9E9FF)
YUV	221.1560, 16.6851, -31.7088
Hunter-Lab	87.0701, -14.5954, -11.0330

Details

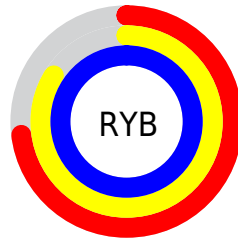
The Yxy color **75.8121, 0.2702, 0.3048** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.4172, 0.3667, 0.3519**, and the grayscale version is **72.3280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **40.2673, 0.2607, 0.2989** is the 20% darker color. If you saturate the color by 10%, you get **68.4818, 0.2553, 0.2945**, and if you desaturate by 10%, it is **83.9220, 0.2856, 0.3144**.

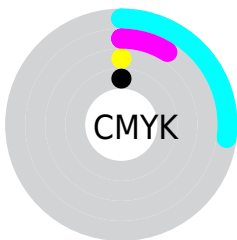
Distribution



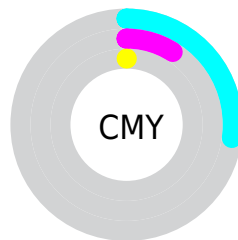
- Red (73%)
- Green (91%)
- Blue (100%)



- Red (73%)
- Yellow (84%)
- Blue (100%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8121, 0.2702, 0.3048 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 75.8121, 0.2702, 0.3048 by changing the saturation by 10% instead.

75.8121, 0.2702,
0.3048

75.8121, 0.2702,
0.3048

480.7042, 0.2894,
0.3161

56.2784, 0.2659,
0.3022

127.4613, 0.2768,
0.3088

40.4262, 0.2607,
0.2990

160.3456, 0.2794,
0.3103

27.8710, 0.2542,
0.2949

198.4489, 0.2816,
0.3116

18.2284, 0.2458,
0.2895

242.1556, 0.2836,
0.3127

11.1141, 0.2346,
0.2821

291.8501, 0.2853,
0.3138

6.1437, 0.2192,
0.2716

347.9167, 0.2868,

2.9326, 0.1965,

0.3146

0.2553

410.7400, 0.2882,
0.3154

1.0967, 0.1601,
0.2273

0.0000, 0.0000,
0.0000

75.8121, 0.2702,
0.3048

75.8121, 0.2702,
0.3048

68.4818, 0.2553,
0.2945

83.9220, 0.2856,
0.3144

61.8915, 0.2413,
0.2834

92.8359, 0.3012,
0.3231

56.0074, 0.2285,
0.2718

100.0000, 0.3127,
0.3290

50.7897, 0.2174,
0.2599

■ 46.1937, 0.2081,
0.2477

■ 42.1669, 0.2009,
0.2356

■ 38.6422, 0.1958,
0.2237

■ 37.7932, 0.1946,
0.2207

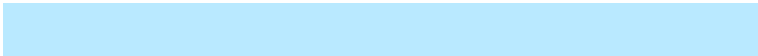
Harmonies

Analogous

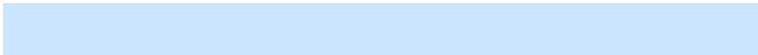
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8121, 0.2743, 0.3232



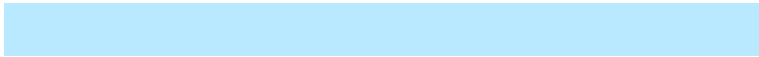
75.8121, 0.2702, 0.3048



75.8121, 0.2769, 0.2937

Triad

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



75.8121, 0.2702, 0.3048



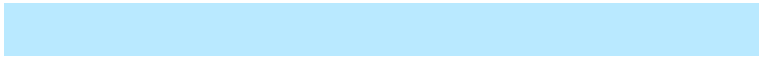
75.8121, 0.3370, 0.3141



75.8121, 0.3315, 0.3687

Complementary

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



75.8121, 0.2702, 0.3048



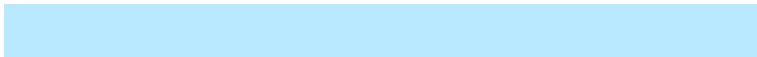
69.4172, 0.3667, 0.3519

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.



75.8121, 0.3492, 0.3645



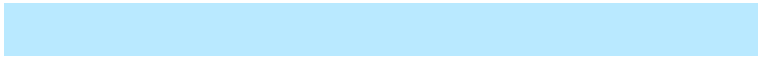
75.8121, 0.2702, 0.3048



75.8121, 0.3526, 0.3326

Square

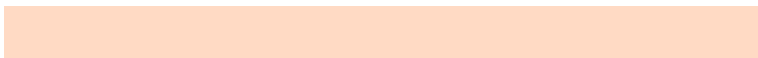
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



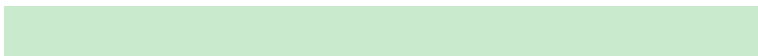
75.8121, 0.2702, 0.3048



75.8121, 0.3150, 0.2995



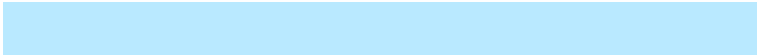
75.8121, 0.3571, 0.3510



75.8121, 0.3092, 0.3613

Rectangle

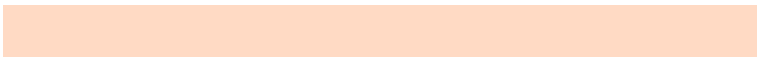
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



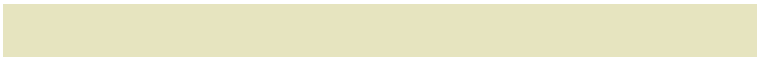
75.8121, 0.2702, 0.3048



75.8121, 0.2868, 0.2915



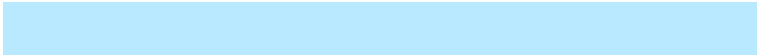
75.8121, 0.3571, 0.3510



75.8121, 0.3382, 0.3685

Sweetspot

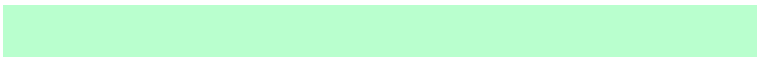
The Sweet Spot groups the original color and five complimentary colors.



75.8143, 0.2702, 0.3048



92.3075, 0.3003, 0.3226



86.2982, 0.2977, 0.3839



19.4608, 0.2980, 0.3213



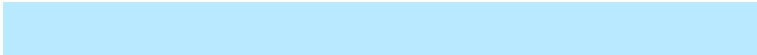
0.0000, 0.0000, 0.0000



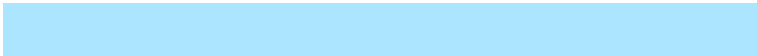
21.4041, 0.3127, 0.3290

Same Dimension

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



75.8143, 0.2702, 0.3048



71.6380, 0.2618, 0.2992



58.4049, 0.2663, 0.2658



19.4608, 0.2980, 0.3213



20.0274, 0.1952, 0.2226



2.1460, 0.1990, 0.2362

Inverse Universe

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



61.8609, 0.3327, 0.2808



55.9599, 0.3379, 0.2707



87.6811, 0.3578, 0.3851



18.1974, 0.3186, 0.3128



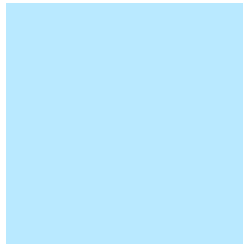
12.7497, 0.4204, 0.2090



1.2612, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 75.8121, 0.2702, 0.3048 looks on a white background.

Color Contrast Check

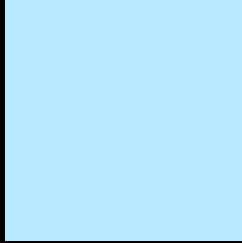
Large Text (above 18pt) WCAG AA × Fail

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 75.8121, 0.2702, 0.3048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

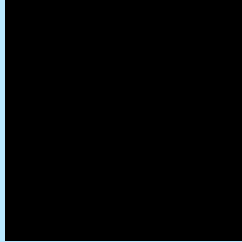
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

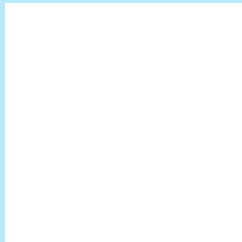
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8121, 0.2702, 0.3048

Background



This preview shows how black text looks on a background with the Yxy color 75.8121, 0.2702, 0.3048.



This preview shows how white text looks on a background with the Yxy color 75.8121, 0.2702, 0.3048.

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

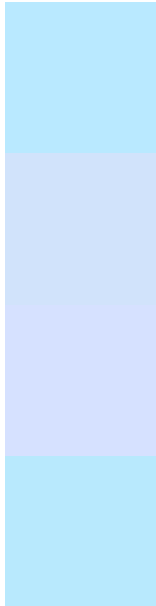




Tritanopia

75.4964, 0.2712, 0.3080

Trichromacy



Original Color

75.8121, 0.2702, 0.3048

Protanomaly

75.4585, 0.2862, 0.3034

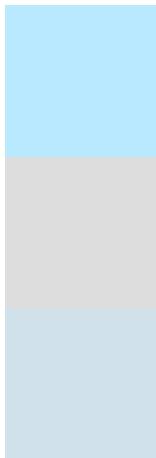
Deuteranomaly

75.3666, 0.2869, 0.2974

Tritanomaly

75.5600, 0.2707, 0.3069

Monochromacy



Original Color

75.8121, 0.2702, 0.3048

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.1435, 0.2961, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8121, 0.2702, 0.3048 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(185, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 233, 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(185, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.8121, 0.2702, 0.3048 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(185, 233, 255) }
```

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

```
.border{ border-color:rgb(185, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8121, 0.2702, 0.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 233, 255) }
```

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

```
.background{ background-color: rgb(185,  
233, 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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