

Converting Colors

$Yxy(75.0815, 0.2669, 0.3046)$

Have a look what the booklet for
Yxy(75.0815, 0.2669, 0.3046)
contains.

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Color

Yxy(75.0815, 0.2669, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	B3E9FF
RGB	179, 233, 255
RGB Percent	70%, 91%, 100%
CMY	0.2978, 0.0863, 0.0000
CMYK	0.30, 0.09, 0.00, 0.00
HSL	197°, 100%, 85%
HSV	197°, 30%, 100%
XYZ	65.7887, 75.0815, 105.6219
YIQ	219.3620, -39.2460, -4.6060

Conversions

Conversions Part 2

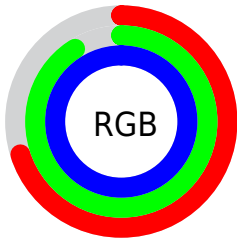
Format	Color
R _Y B	179, 211, 255
Decimal	11790847
CIE Lab	89.43, -12.15, -16.21
CIE LCh	89, 20.257, 233.130
Yxy	75.0815, 0.2669, 0.3046
Android (android.graphics.Color)	4289980927 (0xFFB3E9FF)
YUV	219.3620, 17.5695, -35.3975
Hunter-Lab	86.6496, -16.1105, -11.6171

Details

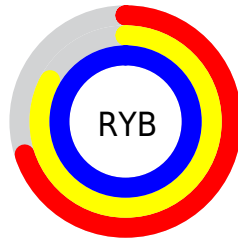
The Yxy color **75.0815, 0.2669, 0.3046** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3188, 0.3731, 0.3520**, and the grayscale version is **71.0088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **39.8066, 0.2567, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **68.2249, 0.2524, 0.2950**, and if you desaturate by 10%, it is **82.6811, 0.2821, 0.3135**.

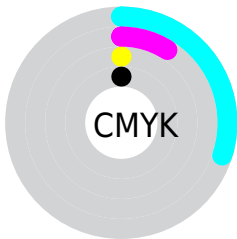
Distribution



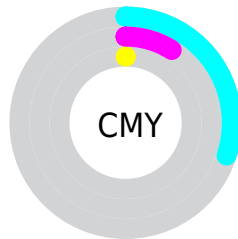
- Red (70%)
- Green (91%)
- Blue (100%)



- Red (70%)
- Yellow (83%)
- Blue (100%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0815, 0.2669, 0.3046 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 75.0815, 0.2669, 0.3046 by changing the saturation by 10% instead.


 75.0815, 0.2669,
0.3046

 75.0815, 0.2669,
0.3046

478.1976, 0.2876,
0.3161

 55.6797, 0.2623,
0.3019


 126.4277, 0.2740,
0.3086

 39.9461, 0.2567,
0.2986


159.1409, 0.2768,
0.3102

 27.4966, 0.2496,
0.2944


197.0600, 0.2792,
0.3115

 17.9465, 0.2406,
0.2889

240.5693, 0.2813,
0.3127

 10.9116, 0.2286,
0.2813

290.0534, 0.2832,
0.3137

 6.0074, 0.2121,
0.2704

345.8965, 0.2848,

 2.8496, 0.1878,

0.3146

0.2534

408.4832, 0.2863,
0.3154

1.0537, 0.1481,
0.2243

0.0000, 0.0000,
0.0000

75.0815, 0.2669,
0.3046

75.0815, 0.2669,
0.3046

68.2249, 0.2524,
0.2950

82.6811, 0.2821,
0.3135

62.0691, 0.2389,
0.2847

91.0453, 0.2975,
0.3217

56.5810, 0.2269,
0.2740

99.9993, 0.3127,
0.3290

51.7204, 0.2165,
0.2630

■ 47.4418, 0.2081,
0.2519

■ 43.6912, 0.2018,
0.2409

■ 40.3836, 0.1973,
0.2300

■ 40.3120, 0.1972,
0.2297

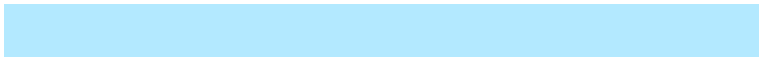
Harmonies

Analogous

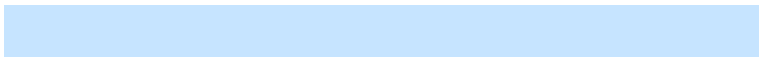
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0815, 0.2725, 0.3250



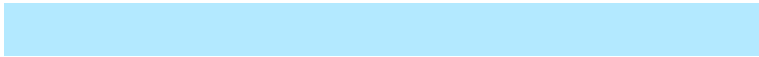
75.0815, 0.2669, 0.3046



75.0815, 0.2729, 0.2918

Triad

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



75.0815, 0.2669, 0.3046



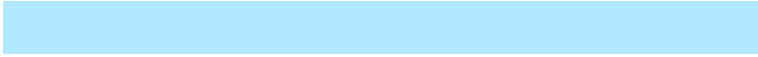
75.0815, 0.3366, 0.3110



75.0815, 0.3353, 0.3719

Complementary

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



75.0815, 0.2669, 0.3046



66.3188, 0.3731, 0.3520

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.



75.0815, 0.3535, 0.3661



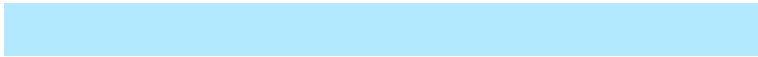
75.0815, 0.2669, 0.3046



75.0815, 0.3545, 0.3307

Square

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



75.0815, 0.2669, 0.3046



75.0815, 0.3126, 0.2960



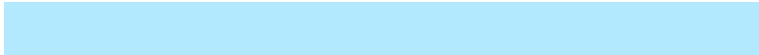
75.0815, 0.3608, 0.3507



75.0815, 0.3114, 0.3654

Rectangle

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



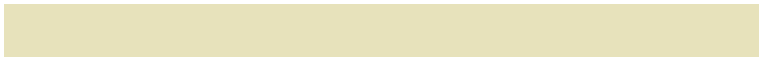
75.0815, 0.2669, 0.3046



75.0815, 0.2829, 0.2888



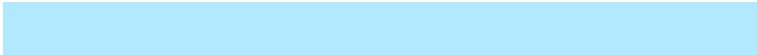
75.0815, 0.3608, 0.3507



75.0815, 0.3423, 0.3713

Sweetspot

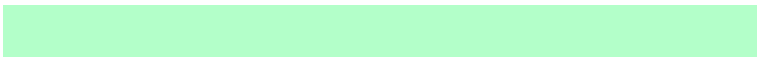
The Sweet Spot groups the original color and five complimentary colors.



75.0845, 0.2669, 0.3046



91.7348, 0.2987, 0.3223



85.3020, 0.2972, 0.3909



19.3621, 0.2965, 0.3212



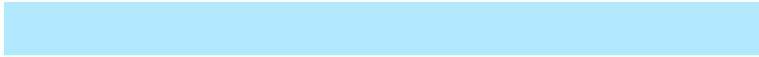
0.0000, 0.0000, 0.0000



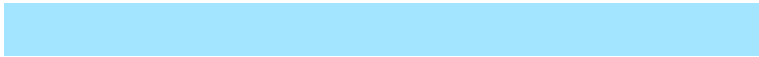
21.4041, 0.3127, 0.3290

Same Dimension

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



75.0845, 0.2669, 0.3046



70.7362, 0.2578, 0.2987



56.0736, 0.2620, 0.2610



19.5400, 0.2980, 0.3220



21.3355, 0.1977, 0.2316



2.2655, 0.2011, 0.2440

Inverse Universe

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



59.4081, 0.3333, 0.2747



53.1493, 0.3389, 0.2632



85.9790, 0.3623, 0.3888



18.2054, 0.3183, 0.3123



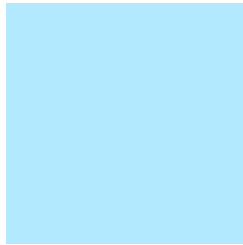
12.8818, 0.4110, 0.2038



1.2732, 0.3982, 0.1968

Previews

White Background



This preview shows how the Yxy color 75.0815, 0.2669, 0.3046 looks on a white background.

Color Contrast Check

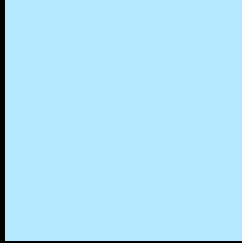
Large Text (above 18pt) WCAG AA × Fail

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 75.0815, 0.2669, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

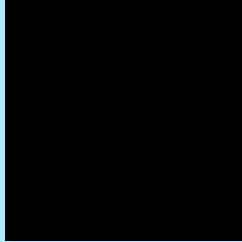
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.0815, 0.2669, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 75.0815, 0.2669, 0.3046.

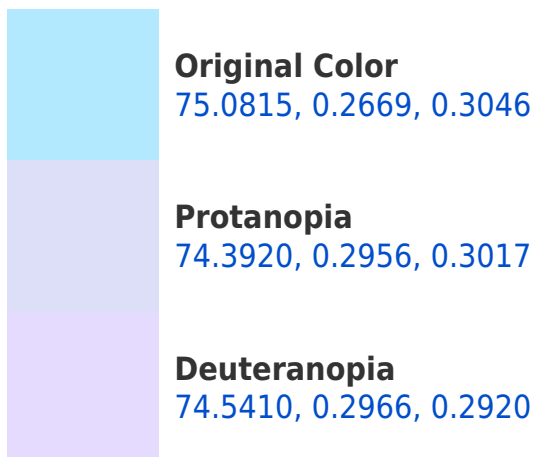


This preview shows how white text looks on a background with the Yxy color 75.0815, 0.2669, 0.3046.

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

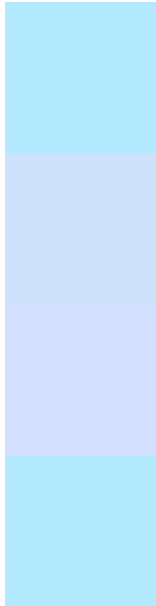




Tritanopia

74.7711, 0.2678, 0.3078

Trichromacy



Original Color

75.0815, 0.2669, 0.3046

Protanomaly

74.4796, 0.2842, 0.3022

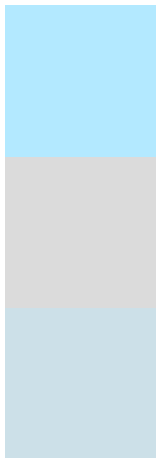
Deuteranomaly

74.3802, 0.2850, 0.2962

Tritanomaly

74.8347, 0.2673, 0.3067

Monochromacy



Original Color

75.0815, 0.2669, 0.3046

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.9749, 0.2941, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0815, 0.2669, 0.3046 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(179, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.0815, 0.2669, 0.3046 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(179, 233, 255) }
```

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

```
.border{ border-color:rgb(179, 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(179, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0815, 0.2669, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 233, 255) }
```

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

```
.background{ background-color: rgb(179,  
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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