

Converting Colors

$Yxy(77.1639, 0.2548, 0.2698)$

Have a look what the booklet for
Yxy(77.1639, 0.2548, 0.2698)
contains.

Yxy(74.9366, 0.2711, 0.3027)	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(74.9366, 0.2711, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	BBE7FF
RGB	187, 231, 255
RGB Percent	73%, 91%, 100%
CMY	0.2667, 0.0941, 0.0001
CMYK	0.27, 0.09, 0.00, 0.00
HSL	201°, 100%, 87%
HSV	201°, 27%, 100%
XYZ	67.1137, 74.9366, 105.5103
YIQ	220.5800, -33.9280, -1.8640

Conversions

Conversions Part 2

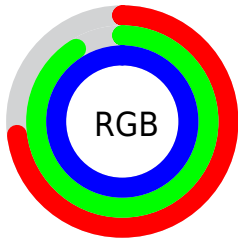
Format	Color
R _Y B	187, 214, 255
Decimal	12314623
CIE Lab	89.36, -8.91, -16.25
CIE LCh	89, 18.536, 241.262
Yxy	74.9366, 0.2711, 0.3027
Android (android.graphics.Color)	4290504703 (0xFFBBE7FF)
YUV	220.5800, 16.9691, -29.4497
Hunter-Lab	86.5659, -13.1011, -11.6691

Details

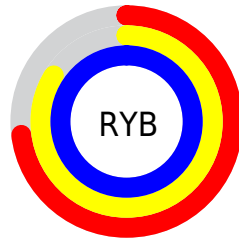
The Yxy color **74.9366, 0.2711, 0.3027** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.4082, 0.3641, 0.3538**, and the grayscale version is **71.8932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **39.6427, 0.2617, 0.2960** is the 20% darker color. If you saturate the color by 10%, you get **67.1015, 0.2558, 0.2911**, and if you desaturate by 10%, it is **83.6070, 0.2867, 0.3134**.

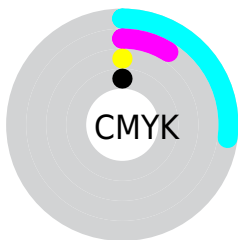
Distribution



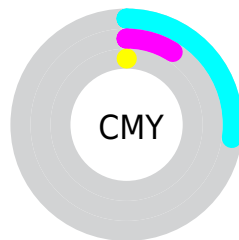
- Red (73%)
- Green (91%)
- Blue (100%)



- 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 74.9366, 0.2711, 0.3027 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 74.9366, 0.2711, 0.3027 by changing the saturation by 10% instead.

■ 74.9366, 0.2711,
0.3027

■ 74.9366, 0.2711,
0.3027

477.6996, 0.2900,
0.3150

■ 55.5610, 0.2669,
0.2999

■ 126.2226, 0.2776,
0.3070

■ 39.8510, 0.2617,
0.2964

158.9018, 0.2801,
0.3086

■ 27.4224, 0.2553,
0.2920

196.7842, 0.2823,
0.3101

■ 17.8907, 0.2470,
0.2862

240.2543, 0.2842,
0.3113

■ 10.8716, 0.2360,
0.2783

289.6966, 0.2859,
0.3124

■ 5.9805, 0.2207,
0.2670

345.4952, 0.2874,

■ 2.8332, 0.1981,

0.3134

0.2497

408.0348, 0.2888,
0.3142

■ 1.0453, 0.1616,
0.2201

■ 0.0000, 0.0000,
0.0000

■ 74.9366, 0.2711,
0.3027

■ 74.9366, 0.2711,
0.3027

■ 67.1015, 0.2558,
0.2911

■ 83.6070, 0.2867,
0.3134

■ 60.0585, 0.2413,
0.2787

■ 93.1353, 0.3024,
0.3231

■ 53.7739, 0.2279,
0.2656

99.9982, 0.3127,
0.3290

■ 48.2069, 0.2161,
0.2521

■ 43.3121, 0.2061,
0.2383

■ 39.0364, 0.1982,
0.2246

■ 35.3145, 0.1924,
0.2112

■ 34.1637, 0.1908,
0.2068

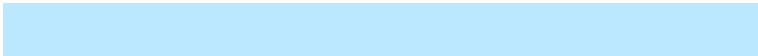
Harmonies

Analogous

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



74.9366, 0.2734, 0.3199



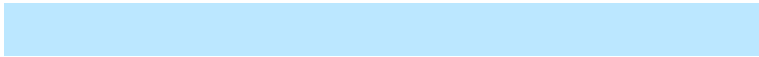
74.9366, 0.2711, 0.3027



74.9366, 0.2795, 0.2932

Triad

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



74.9366, 0.2711, 0.3027



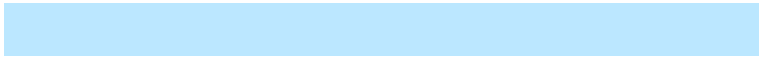
74.9366, 0.3399, 0.3171



74.9366, 0.3278, 0.3677

Complementary

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



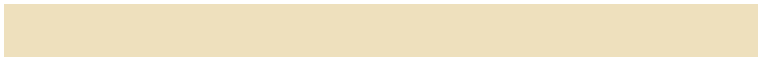
74.9366, 0.2711, 0.3027



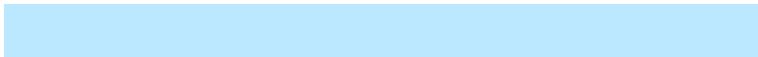
71.4082, 0.3641, 0.3538

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.



74.9366, 0.3464, 0.3654



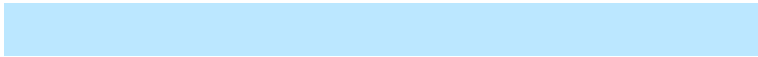
74.9366, 0.2711, 0.3027



74.9366, 0.3537, 0.3358

Square

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



74.9366, 0.2711, 0.3027



74.9366, 0.3188, 0.3018



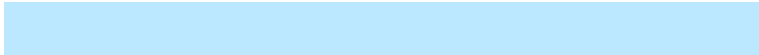
74.9366, 0.3561, 0.3534



74.9366, 0.3056, 0.3586

Rectangle

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



74.9366, 0.2711, 0.3027



74.9366, 0.2902, 0.2921



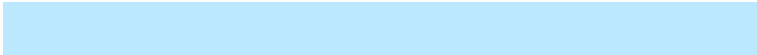
74.9366, 0.3561, 0.3534



74.9366, 0.3347, 0.3682

Sweetspot

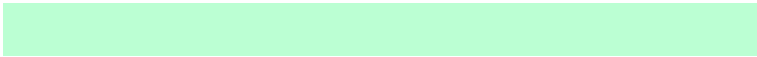
The Sweet Spot groups the original color and five complimentary colors.



74.9396, 0.2711, 0.3027



91.8317, 0.3003, 0.3218



86.7587, 0.2963, 0.3782



19.3406, 0.2980, 0.3204



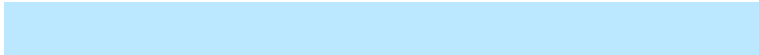
0.0000, 0.0000, 0.0000



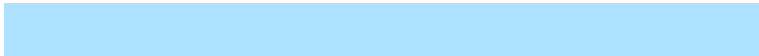
21.4041, 0.3127, 0.3290

Same Dimension

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



74.9396, 0.2711, 0.3027



70.6716, 0.2629, 0.2966



57.8005, 0.2673, 0.2639



19.3406, 0.2980, 0.3204



18.1470, 0.1914, 0.2090



1.9726, 0.1956, 0.2242

Inverse Universe

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



62.5622, 0.3340, 0.2846



56.8048, 0.3395, 0.2755



90.0114, 0.3556, 0.3866



18.1852, 0.3192, 0.3137



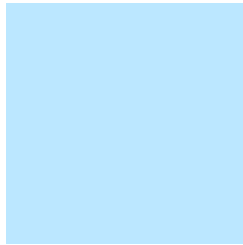
12.5599, 0.4352, 0.2171



1.2437, 0.4187, 0.2080

Previews

White Background



This preview shows how the Yxy color 74.9366, 0.2711, 0.3027 looks on a white background.

Color Contrast Check

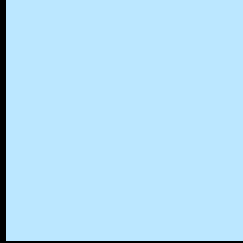
Large Text (above 18pt) WCAG AA × Fail

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 74.9366, 0.2711, 0.3027 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

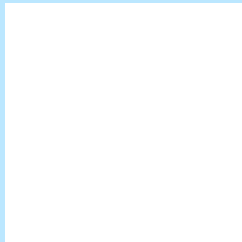
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.9366, 0.2711, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 74.9366, 0.2711, 0.3027.

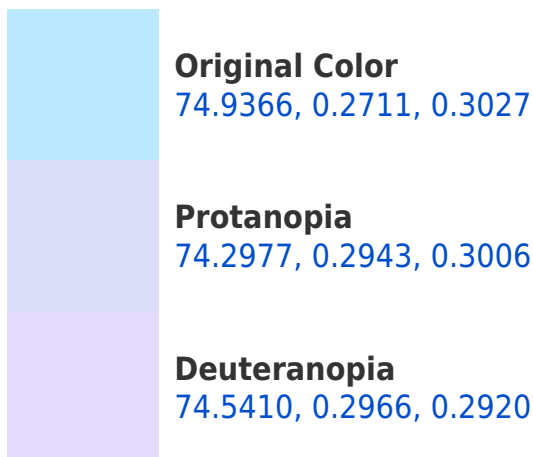


This preview shows how white text looks on a background with the Yxy color 74.9366, 0.2711, 0.3027.

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

75.0545, 0.2733, 0.3091

Trichromacy



Original Color

74.9366, 0.2711, 0.3027

Protanomaly

74.2254, 0.2854, 0.3012

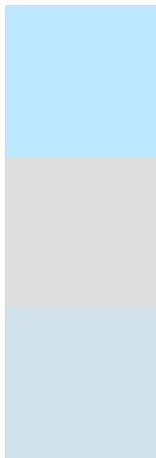
Deuteranomaly

74.2915, 0.2868, 0.2953

Tritanomaly

75.1806, 0.2722, 0.3069

Monochromacy



Original Color

74.9366, 0.2711, 0.3027

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.2889, 0.2968, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9366, 0.2711, 0.3027 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(187, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 231, 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(187, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.9366, 0.2711, 0.3027 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(187, 231, 255) }
```

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

```
.border{ border-color:rgb(187, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9366, 0.2711, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 231, 255) }
```

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

```
.background{ background-color: rgb(187,  
231, 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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