

Converting Colors

$Yxy(74.4422, 0.2710, 0.3017)$

Have a look what the booklet for
Yxy(74.4422, 0.2710, 0.3017)
contains.

Yxy(74.3784, 0.2710, 0.3015)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.3784, 0.2710, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	BBE6FF
RGB	187, 230, 255
RGB Percent	73%, 90%, 100%
CMY	0.2664, 0.0981, 0.0000
CMYK	0.27, 0.10, 0.00, 0.00
HSL	202°, 100%, 87%
HSV	202°, 27%, 100%
XYZ	66.8542, 74.3784, 105.4619
YIQ	219.9930, -33.6530, -1.3410

Conversions

Conversions Part 2

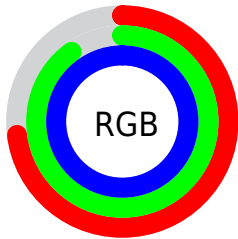
Format	Color
RYB	187, 213, 255
Decimal	12314367
CIELab	89.10, -8.36, -16.67
CIELCh	89, 18.651, 243.383
Yxy	74.3784, 0.2710, 0.3015
Android (android.graphics.Color)	4290504447 (0xFFBBE6FF)
YUV	219.9930, 17.2585, -28.9349
Hunter-Lab	86.2429, -12.5546, -12.1326

Details

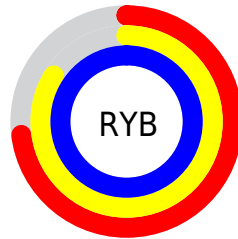
The Yxy color **74.3784, 0.2710, 0.3015** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9743, 0.3638, 0.3549**, and the grayscale version is **71.4678, 0.3127, 0.3290**.

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 **66.3576, 0.2556, 0.2894**, and if you desaturate by 10%, it is **83.2542, 0.2867, 0.3127**.

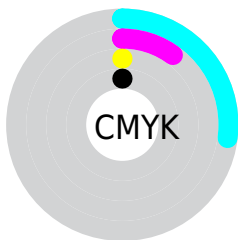
Distribution



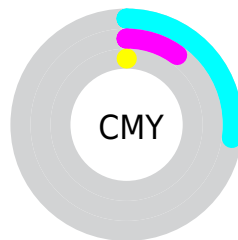
- Red (73%)
- Green (90%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3784, 0.2710, 0.3015 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 74.3784, 0.2710, 0.3015 by changing the saturation by 10% instead.

■ 74.3784, 0.2710,
0.3015

■ 74.3784, 0.2710,
0.3015

■ 475.7783, 0.2899,
0.3143

■ 55.1038, 0.2668,
0.2986

■ 125.4321, 0.2775,
0.3060

■ 39.4848, 0.2616,
0.2949

■ 157.9799, 0.2800,
0.3077

■ 27.1371, 0.2551,
0.2903

■ 195.7210, 0.2823,
0.3092

■ 17.6762, 0.2468,
0.2843

■ 239.0397, 0.2842,
0.3105

■ 10.7178, 0.2357,
0.2761

■ 288.3204, 0.2859,
0.3116

■ 5.8774, 0.2202,
0.2643

■ 343.9474, 0.2874,

■ 2.7707, 0.1974,

0.3126

0.2462

406.3053, 0.2887,
0.3135

1.0132, 0.1604,
0.2156

0.0000, 0.0000,
0.0000

74.3784, 0.2710,
0.3015

74.3784, 0.2710,
0.3015

66.3576, 0.2556,
0.2894

83.2542, 0.2867,
0.3127

59.1535, 0.2409,
0.2764

93.0135, 0.3024,
0.3228

52.7298, 0.2273,
0.2627

100.0000, 0.3127,
0.3290

47.0454, 0.2152,
0.2485

■ 42.0540, 0.2050,
0.2341

■ 37.7022, 0.1969,
0.2197

■ 33.9238, 0.1909,
0.2057

■ 32.7519, 0.1892,
0.2011

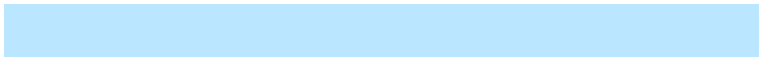
Harmonies

Analogous

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



74.3784, 0.2725, 0.3184



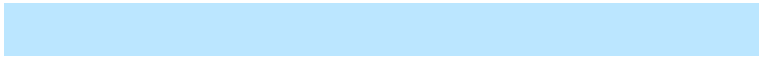
74.3784, 0.2710, 0.3015



74.3784, 0.2801, 0.2926

Triad

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



74.3784, 0.2710, 0.3015



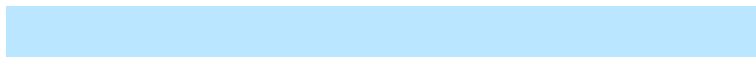
74.3784, 0.3414, 0.3183



74.3784, 0.3264, 0.3678

Complementary

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



74.3784, 0.2710, 0.3015



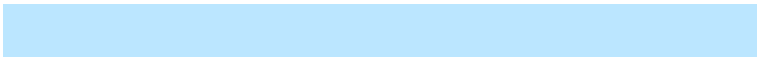
71.9743, 0.3638, 0.3549

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.



74.3784, 0.3456, 0.3663



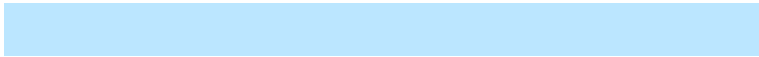
74.3784, 0.2710, 0.3015



74.3784, 0.3547, 0.3372

Square

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



74.3784, 0.2710, 0.3015



74.3784, 0.3204, 0.3025



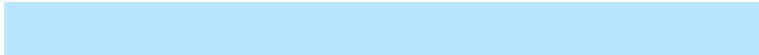
74.3784, 0.3562, 0.3547



74.3784, 0.3039, 0.3579

Rectangle

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



74.3784, 0.2710, 0.3015



74.3784, 0.2913, 0.2919



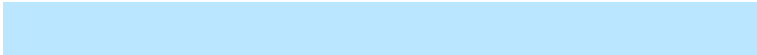
74.3784, 0.3562, 0.3547



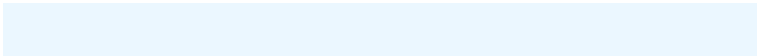
74.3784, 0.3334, 0.3686

Sweetspot

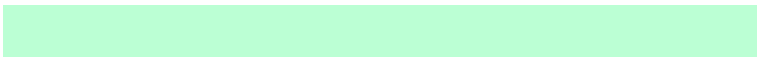
The Sweet Spot groups the original color and five complimentary colors.



74.3797, 0.2710, 0.3015



91.6356, 0.3003, 0.3215



86.8447, 0.2957, 0.3769



19.2911, 0.2979, 0.3200



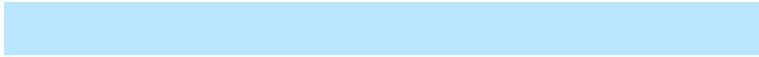
0.0000, 0.0000, 0.0000



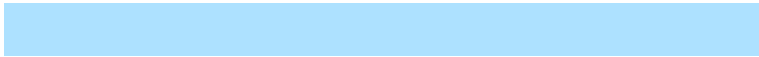
21.4041, 0.3127, 0.3290

Same Dimension

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



74.3797, 0.2710, 0.3015



69.9779, 0.2627, 0.2951



57.3267, 0.2672, 0.2627



19.2911, 0.2979, 0.3200



17.4086, 0.1898, 0.2034



1.9039, 0.1943, 0.2193

Inverse Universe

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



62.5394, 0.3349, 0.2857



56.7348, 0.3406, 0.2767



90.7265, 0.3553, 0.3876



18.1802, 0.3195, 0.3141



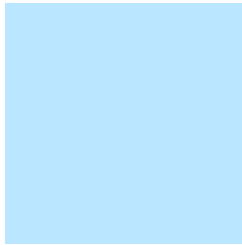
12.4854, 0.4415, 0.2206



1.2367, 0.4240, 0.2109

Previews

White Background



This preview shows how the Yxy color 74.3784, 0.2710, 0.3015 looks on a white background.

Color Contrast Check

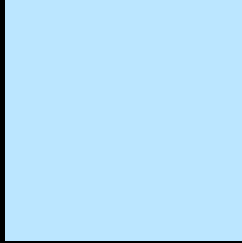
Large Text (above 18pt) WCAG AA × Fail

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 74.3784, 0.2710, 0.3015 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

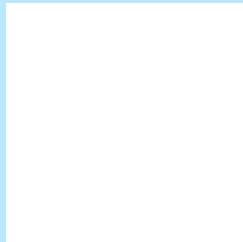
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.3784, 0.2710, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 74.3784, 0.2710, 0.3015.



This preview shows how white text looks on a background with the Yxy color 74.3784, 0.2710, 0.3015.

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

74.3784, 0.2710, 0.3015

Protanopia

74.2047, 0.2930, 0.2995

Deuteranopia

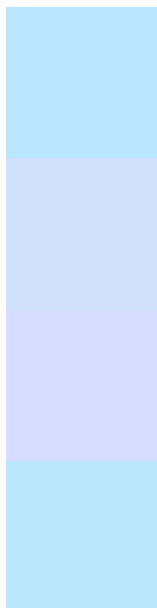
73.8568, 0.2959, 0.2909



Tritanopia

74.4305, 0.2737, 0.3090

Trichromacy



Original Color

74.3784, 0.2710, 0.3015

Protanomaly

74.1441, 0.2842, 0.3001

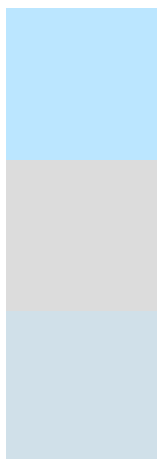
Deuteranomaly

73.6087, 0.2861, 0.2941

Tritanomaly

74.5560, 0.2726, 0.3069

Monochromacy



Original Color

74.3784, 0.2710, 0.3015

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.6044, 0.2961, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3784, 0.2710, 0.3015 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 230, 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, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.3784, 0.2710, 0.3015 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, 230, 255) }
```

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

```
.border{ border-color:rgb(187, 230, 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, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3784, 0.2710, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 230, 255) }
```

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

```
.background{ background-color: rgb(187,  
230, 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