

# Converting Colors

$Yxy(73.8234, 0.2709, 0.3004)$

Have a look what the booklet for  
Yxy(73.8234, 0.2709, 0.3004)  
contains.

<b>Yxy(73.8234, 0.2709, 0.3004)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(73.8234, 0.2709, 0.3004)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE5FF
RGB	187, 229, 255
RGB Percent	73%, 90%, 100%
CMY	0.2664, 0.1020, 0.0000
CMYK	0.27, 0.10, 0.00, 0.00
HSL	203°, 100%, 87%
HSV	203°, 27%, 100%
XYZ	66.5738, 73.8234, 105.3532
YIQ	219.4060, -33.3780, -0.8180

# Conversions

## Conversions Part 2

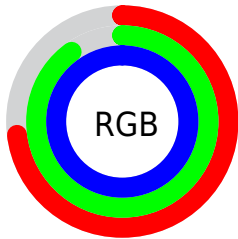
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 213, 255
Decimal	12314111
CIE <sub>Lab</sub>	88.84, -7.85, -17.06
CIE <sub>LCh</sub>	89, 18.777, 245.291
Yxy	73.8234, 0.2709, 0.3004
Android (android.graphics.Color)	4290504191 (0xFFBBE5FF)
YUV	219.4060, 17.5478, -28.4201
Hunter-Lab	85.9205, -12.0539, -12.5552

# Details

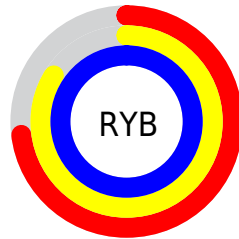
The Yxy color **73.8234, 0.2709, 0.3004** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.4733, 0.3635, 0.3559**, and the grayscale version is **71.0365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **39.2549, 0.2615, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **65.6379, 0.2554, 0.2878**, and if you desaturate by 10%, it is **82.8887, 0.2867, 0.3120**.

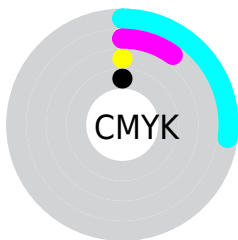
# Distribution



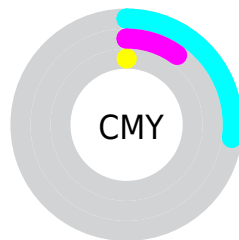
- Red (73%)
- Green (90%)
- Blue (100%)



- 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 73.8234, 0.2709, 0.3004 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 73.8234, 0.2709, 0.3004 by changing the saturation by 10% instead.





 73.8234, 0.2709,  
0.3004

 73.8234, 0.2709,  
0.3004

473.8636, 0.2899,  
0.3137

 54.6495, 0.2666,  
0.2973


 124.6454, 0.2774,  
0.3050

 39.1212, 0.2614,  
0.2936


157.0624, 0.2800,  
0.3068

 26.8540, 0.2549,  
0.2888


194.6624, 0.2822,  
0.3084

 17.4636, 0.2465,  
0.2825

237.8300, 0.2841,  
0.3097

 10.5656, 0.2353,  
0.2740

286.9496, 0.2858,  
0.3109

 5.7755, 0.2197,  
0.2618

342.4054, 0.2874,

 2.7091, 0.1967,

0.3120

0.2431

404.5820, 0.2887,  
0.3129

0.9818, 0.1590,  
0.2115

0.0000, 0.0000,  
0.0000

73.8234, 0.2709,  
0.3004

73.8234, 0.2709,  
0.3004

65.6379, 0.2554,  
0.2878

82.8887, 0.2867,  
0.3120

58.2897, 0.2405,  
0.2742

92.8592, 0.3024,  
0.3226

51.7431, 0.2267,  
0.2599

100.0000, 0.3127,  
0.3290

45.9564, 0.2144,  
0.2451

■ 40.8828, 0.2039,  
0.2300

■ 36.4681, 0.1956,  
0.2151

■ 32.6454, 0.1895,  
0.2006

■ 31.4630, 0.1877,  
0.1958

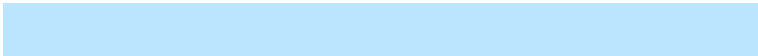
# Harmonies

## Analogous

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



73.8234, 0.2717, 0.3171



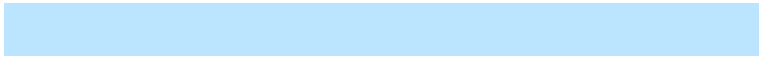
73.8234, 0.2709, 0.3004



73.8234, 0.2808, 0.2920

# Triad

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



73.8234, 0.2709, 0.3004



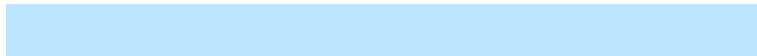
73.8234, 0.3428, 0.3194



73.8234, 0.3251, 0.3679

# Complementary

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



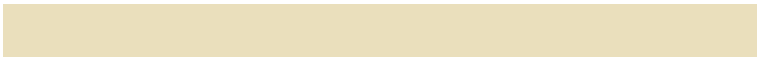
73.8234, 0.2709, 0.3004



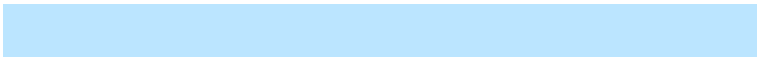
72.4733, 0.3635, 0.3559

# 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.



73.8234, 0.3449, 0.3671



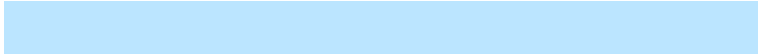
73.8234, 0.2709, 0.3004



73.8234, 0.3555, 0.3384

# Square

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



73.8234, 0.2709, 0.3004



73.8234, 0.3220, 0.3031



73.8234, 0.3562, 0.3559

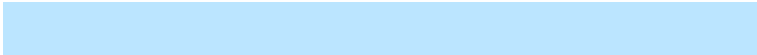


73.8234, 0.3025, 0.3572



# Rectangle

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



73.8234, 0.2709, 0.3004



73.8234, 0.2924, 0.2918



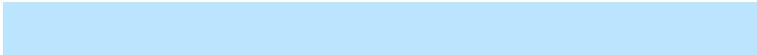
73.8234, 0.3562, 0.3559



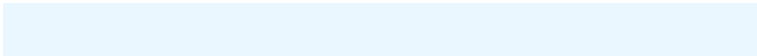
73.8234, 0.3323, 0.3689

# Sweetspot

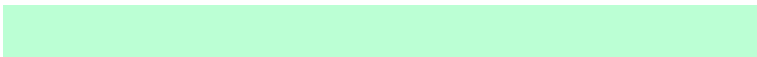
The Sweet Spot groups the original color and five complimentary colors.



73.8259, 0.2709, 0.3004



91.4522, 0.3003, 0.3212



86.8443, 0.2957, 0.3769



19.2449, 0.2979, 0.3197



0.0000, 0.0000, 0.0000

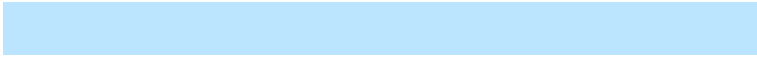


21.4041, 0.3127, 0.3290

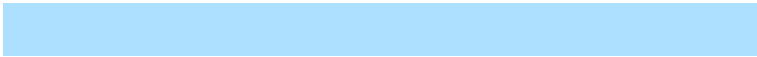


# Same Dimension

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



73.8259, 0.2709, 0.3004



69.3333, 0.2625, 0.2938



57.3254, 0.2672, 0.2627



19.2449, 0.2979, 0.3197



16.7379, 0.1884, 0.1981



1.8411, 0.1930, 0.2146



# Inverse Universe

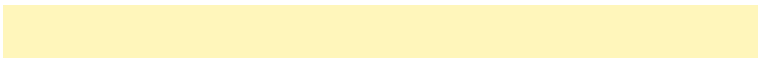
The Inverse Universe completely reimagines the original color for something new.



62.4825, 0.3357, 0.2867



56.6697, 0.3416, 0.2778



90.7262, 0.3553, 0.3876



18.1756, 0.3197, 0.3144



12.4177, 0.4474, 0.2238

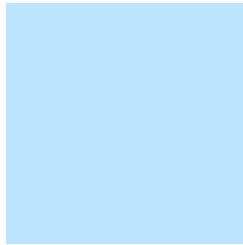


1.2304, 0.4290, 0.2137



# Previews

## White Background



This preview shows how the Yxy color 73.8234, 0.2709, 0.3004 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

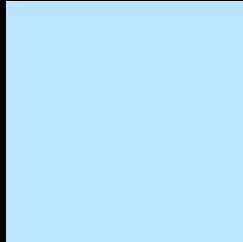
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.8234, 0.2709, 0.3004 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

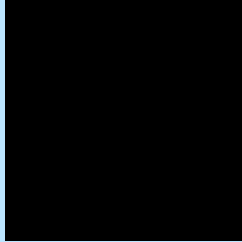
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

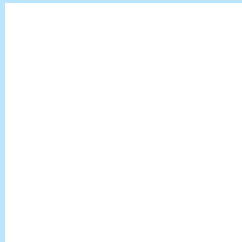
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.8234, 0.2709, 0.3004**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.8234, 0.2709, 0.3004.



This preview shows how white text looks on a background with the Yxy color 73.8234, 0.2709, 0.3004.

# 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

73.8234, 0.2709, 0.3004

### Protanopia

73.5205, 0.2923, 0.2984

### Deuteranopia

73.1766, 0.2952, 0.2898



## Tritanopia

73.8100, 0.2741, 0.3090

# Trichromacy



## Original Color

73.8234, 0.2709, 0.3004

## Protanomaly

73.6050, 0.2842, 0.2990

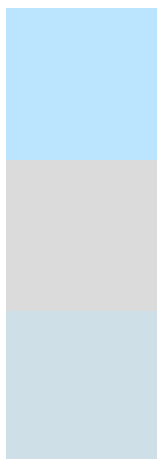
## Deuteranomaly

72.9300, 0.2855, 0.2930

## Tritanomaly

73.9978, 0.2725, 0.3057

# Monochromacy



## Original Color

73.8234, 0.2709, 0.3004

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.8669, 0.2960, 0.3190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8234, 0.2709, 0.3004 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 229, 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, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 229, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8234, 0.2709, 0.3004 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, 229, 255) }
```

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

```
.border{ border-color:rgb(187, 229, 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, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 229, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 229, 255); box-shadow:4px 4px 4px 4px rgb(187, 229, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8234, 0.2709, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 229, 255) }
```

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

```
.background{ background-color: rgb(187,  
229, 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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