

Converting Colors

$Yxy(76.3034, 0.2503, 0.2701)$

Have a look what the booklet for
Yxy(76.3034, 0.2503, 0.2701)
contains.

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Color

Yxy(73.8368, 0.2661, 0.3023)

Conversions

Conversions Part 1

Format	Color
Hex	B2E7FF
RGB	178, 231, 255
RGB Percent	70%, 91%, 100%
CMY	0.3017, 0.0941, 0.0001
CMYK	0.30, 0.09, 0.00, 0.00
HSL	199°, 100%, 85%
HSV	199°, 30%, 100%
XYZ	64.9949, 73.8368, 105.4183
YIQ	217.8890, -39.2920, -3.7720

Conversions

Conversions Part 2

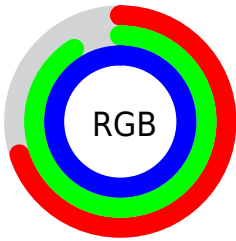
Format	Color
R _Y B	178, 209, 255
Decimal	11724799
CIE Lab	88.85, -11.41, -17.09
CIE LCh	89, 20.550, 236.257
Yxy	73.8368, 0.2661, 0.3023
Android (android.graphics.Color)	4289914879 (0xFFB2E7FF)
YUV	217.8890, 18.2957, -34.9827
Hunter-Lab	85.9283, -15.3598, -12.5881

Details

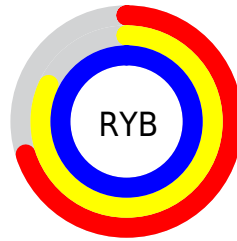
The Yxy color **73.8368, 0.2661, 0.3023** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.7434, 0.3736, 0.3541**, and the grayscale version is **69.9324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **38.9481, 0.2556, 0.2955** is the 20% darker color. If you saturate the color by 10%, you get **66.7458, 0.2514, 0.2919**, and if you desaturate by 10%, it is **81.6966, 0.2814, 0.3120**.

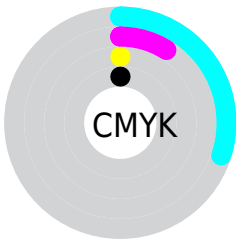
Distribution



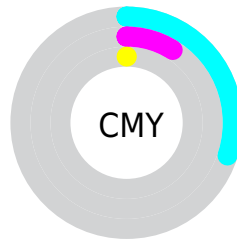
- Red (70%)
- Green (91%)
- Blue (100%)



- Red (70%)
- Yellow (82%)
- 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 73.8368, 0.2661, 0.3023 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 73.8368, 0.2661, 0.3023 by changing the saturation by 10% instead.


 73.8368, 0.2661,
0.3023

 73.8368, 0.2661,
0.3023

473.9099, 0.2872,
0.3149

 54.6605, 0.2614,
0.2994


 124.6644, 0.2733,
0.3067

 39.1300, 0.2556,
0.2958


157.0845, 0.2762,
0.3084

 26.8608, 0.2484,
0.2912


194.6880, 0.2787,
0.3099

 17.4687, 0.2392,
0.2851

237.8593, 0.2808,
0.3111

 10.5692, 0.2269,
0.2769

286.9827, 0.2827,
0.3122

 5.7780, 0.2098,
0.2650

342.4427, 0.2844,

 2.7106, 0.1848,

0.3132

0.2465

404.6236, 0.2859,
0.3141

0.9826, 0.1429,
0.2153

0.0000, 0.0000,
0.0000

73.8368, 0.2661,
0.3023

73.8368, 0.2661,
0.3023

66.7458, 0.2514,
0.2919

81.6966, 0.2814,
0.3120

60.3811, 0.2378,
0.2808

90.3477, 0.2969,
0.3209

54.7087, 0.2254,
0.2691

99.8224, 0.3125,
0.3289

49.6878, 0.2148,
0.2572

99.9989, 0.3127,
0.3290

■ 45.2719, 0.2062,
0.2452

■ 41.4060, 0.1996,
0.2332

■ 38.0540, 0.1949,
0.2216

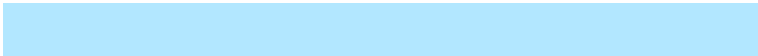
Harmonies

Analogous

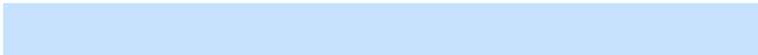
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8368, 0.2706, 0.3225



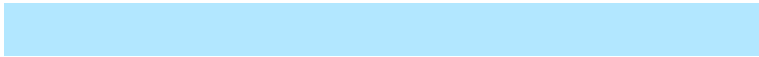
73.8368, 0.2661, 0.3023



73.8368, 0.2734, 0.2903

Triad

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



73.8368, 0.2661, 0.3023



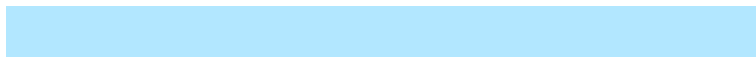
73.8368, 0.3394, 0.3126



73.8368, 0.3333, 0.3727

Complementary

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



73.8368, 0.2661, 0.3023



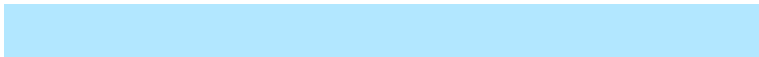
66.7434, 0.3736, 0.3541

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.



73.8368, 0.3529, 0.3680



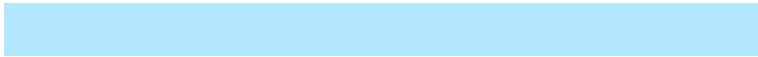
73.8368, 0.2661, 0.3023



73.8368, 0.3567, 0.3329

Square

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



73.8368, 0.2661, 0.3023



73.8368, 0.3152, 0.2967



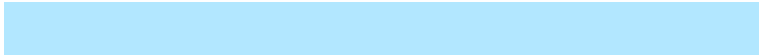
73.8368, 0.3616, 0.3530



73.8368, 0.3088, 0.3647

Rectangle

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



73.8368, 0.2661, 0.3023



73.8368, 0.2843, 0.2879



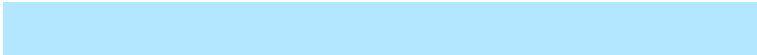
73.8368, 0.3616, 0.3530



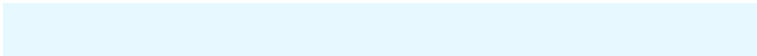
73.8368, 0.3407, 0.3725

Sweetspot

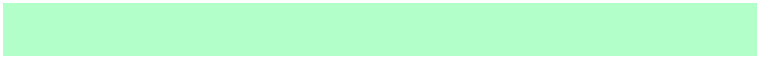
The Sweet Spot groups the original color and five complimentary colors.



73.8397, 0.2661, 0.3023



91.4216, 0.2987, 0.3218



85.2061, 0.2964, 0.3904



19.2847, 0.2965, 0.3206



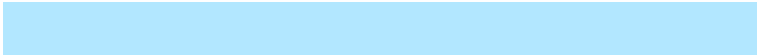
0.0000, 0.0000, 0.0000



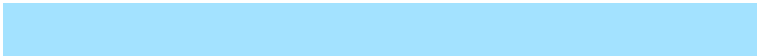
21.4041, 0.3127, 0.3290

Same Dimension

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



73.8397, 0.2661, 0.3023



69.6196, 0.2574, 0.2963



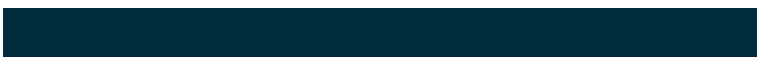
55.0325, 0.2611, 0.2585



19.4693, 0.2980, 0.3214



20.1657, 0.1955, 0.2236



2.1587, 0.1992, 0.2370

Inverse Universe

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



58.8945, 0.3350, 0.2756



53.0366, 0.3407, 0.2651



86.5590, 0.3626, 0.3908



18.1982, 0.3186, 0.3128



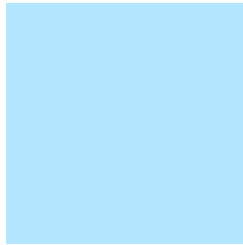
12.7637, 0.4194, 0.2084



1.2625, 0.4053, 0.2007

Previews

White Background



This preview shows how the Yxy color 73.8368, 0.2661, 0.3023 looks on a white background.

Color Contrast Check

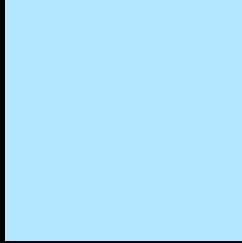
Large Text (above 18pt) WCAG AA × Fail

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 73.8368, 0.2661, 0.3023 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 73.8368, 0.2661, 0.3023

Background



This preview shows how black text looks on a background with the Yxy color 73.8368, 0.2661, 0.3023.

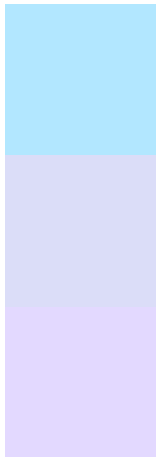


This preview shows how white text looks on a background with the Yxy color 73.8368, 0.2661, 0.3023.

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

73.8368, 0.2661, 0.3023

Protanopia

73.5503, 0.2942, 0.3005

Deuteranopia

73.1766, 0.2952, 0.2898



Tritanopia

73.9625, 0.2682, 0.3088

Trichromacy



Original Color

73.8368, 0.2661, 0.3023

Protanomaly

73.6528, 0.2829, 0.3010

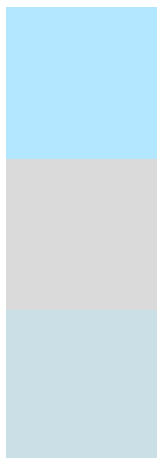
Deuteranomaly

73.0179, 0.2836, 0.2939

Tritanomaly

74.0886, 0.2672, 0.3066

Monochromacy



Original Color

73.8368, 0.2661, 0.3023

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.2414, 0.2940, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8368, 0.2661, 0.3023 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(178, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.8368, 0.2661, 0.3023 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(178, 231, 255) }
```

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

```
.border{ border-color:rgb(178, 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(178, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8368, 0.2661, 0.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 231, 255) }
```

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

```
.background{ background-color: rgb(178,  
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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