

Converting Colors

$Yxy(85.2715, 0.2302, 0.2184)$

Have a look what the booklet for
Yxy(85.2715, 0.2302, 0.2184)
contains.

Yxy(76.7043, 0.2742, 0.3051)	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(76.7043, 0.2742, 0.3051)

Conversions

Conversions Part 1

Format	Color
Hex	C0E9FF
RGB	192, 233, 255
RGB Percent	75%, 91%, 100%
CMY	0.2468, 0.0863, 0.0001
CMYK	0.25, 0.09, 0.00, 0.00
HSL	201°, 100%, 88%
HSV	201°, 25%, 100%
XYZ	68.9358, 76.7043, 105.7670
YIQ	223.2490, -31.4980, -1.8500

Conversions

Conversions Part 2

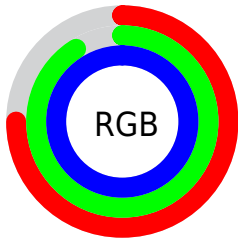
Format	Color
R_{YB}	192, 217, 255
Decimal	12642815
CIE Lab	90.19, -8.46, -15.00
CIE LCh	90, 17.218, 240.564
Yxy	76.7043, 0.2742, 0.3051
Android (android.graphics.Color)	4290832895 (0xFFC0E9FF)
YUV	223.2490, 15.6532, -27.4054
Hunter-Lab	87.5810, -12.7677, -10.2947

Details

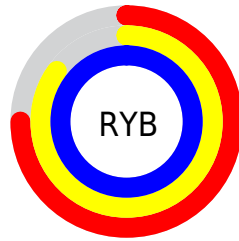
The Yxy color **76.7043, 0.2742, 0.3051** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1856, 0.3595, 0.3517**, and the grayscale version is **73.8900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **40.8399, 0.2655, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **68.7420, 0.2589, 0.2938**, and if you desaturate by 10%, it is **85.5043, 0.2898, 0.3155**.

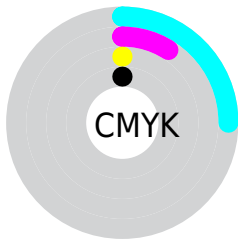
Distribution



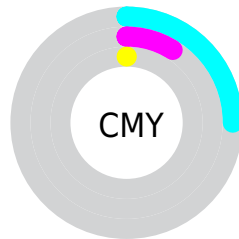
- Red (75%)
- Green (91%)
- Blue (100%)



- Red (75%)
- Yellow (85%)
- Blue (100%)



- Cyan (25%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7043, 0.2742, 0.3051 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 76.7043, 0.2742, 0.3051 by changing the saturation by 10% instead.

■ 76.7043, 0.2742,
0.3051

■ 76.7043, 0.2742,
0.3051

■ 483.7552, 0.2916,
0.3162

■ 57.0102, 0.2703,
0.3026

■ 128.7220, 0.2802,
0.3090

■ 41.0134, 0.2656,
0.2994

■ 161.8144, 0.2825,
0.3105

■ 28.3296, 0.2597,
0.2954

■ 200.1417, 0.2845,
0.3118

■ 18.5743, 0.2520,
0.2902

■ 244.0882, 0.2863,
0.3129

■ 11.3631, 0.2419,
0.2832

■ 294.0385, 0.2879,
0.3139

■ 6.3116, 0.2279,
0.2731

■ 350.3768, 0.2893,

■ 3.0355, 0.2071,

0.3147

0.2576

413.4876, 0.2905,
0.3155

■ 1.1503, 0.1739,
0.2311

■ 0.0205, 0.0000,
0.0187

■ 76.7043, 0.2742,
0.3051

■ 76.7043, 0.2742,
0.3051

■ 68.7420, 0.2589,
0.2938

■ 85.5043, 0.2898,
0.3155

■ 61.5746, 0.2442,
0.2816

■ 95.1640, 0.3055,
0.3249

■ 55.1691, 0.2306,
0.2688

■ 99.9991, 0.3127,
0.3290

■ 49.4859, 0.2184,
0.2555

■ 44.4804, 0.2081,
0.2418

■ 40.1018, 0.1998,
0.2282

■ 36.2880, 0.1937,
0.2149

■ 34.4436, 0.1911,
0.2079

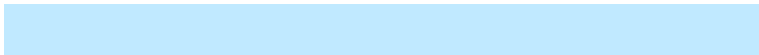
Harmonies

Analogous

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



76.7043, 0.2765, 0.3212



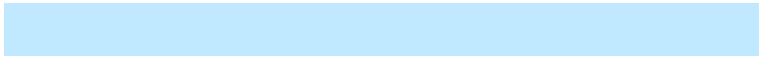
76.7043, 0.2742, 0.3051



76.7043, 0.2817, 0.2961

Triad

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



76.7043, 0.2742, 0.3051



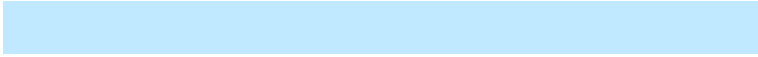
76.7043, 0.3373, 0.3177



76.7043, 0.3271, 0.3647

Complementary

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



76.7043, 0.2742, 0.3051



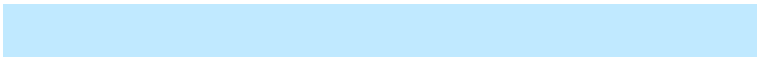
73.1856, 0.3595, 0.3517

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.



76.7043, 0.3441, 0.3624



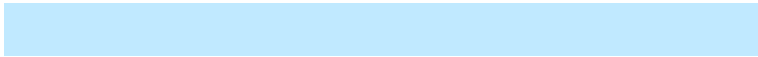
76.7043, 0.2742, 0.3051



76.7043, 0.3503, 0.3349

Square

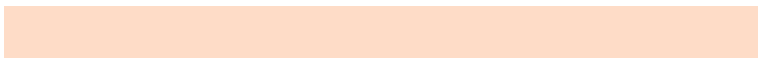
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



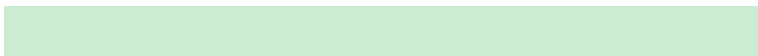
76.7043, 0.2742, 0.3051



76.7043, 0.3179, 0.3036



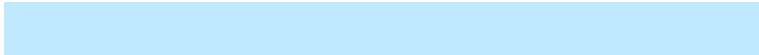
76.7043, 0.3527, 0.3513



76.7043, 0.3066, 0.3565

Rectangle

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



76.7043, 0.2742, 0.3051



76.7043, 0.2915, 0.2949



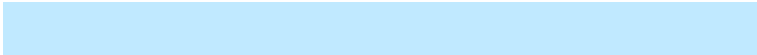
76.7043, 0.3527, 0.3513



76.7043, 0.3334, 0.3651

Sweetspot

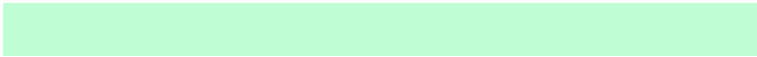
The Sweet Spot groups the original color and five complimentary colors.



76.7074, 0.2742, 0.3051



92.8543, 0.3019, 0.3228



87.5314, 0.2981, 0.3753



19.7471, 0.3009, 0.3223



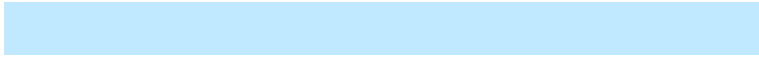
0.0000, 0.0000, 0.0000



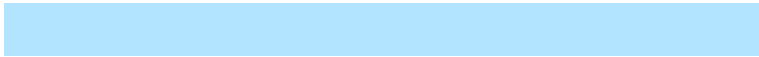
21.4041, 0.3127, 0.3290

Same Dimension

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



76.7074, 0.2742, 0.3051



72.3759, 0.2660, 0.2992



60.9318, 0.2712, 0.2707



19.3501, 0.2980, 0.3205



18.2903, 0.1917, 0.2101



1.9859, 0.1959, 0.2252

Inverse Universe

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



64.8657, 0.3320, 0.2879



58.9162, 0.3372, 0.2787



90.0676, 0.3524, 0.3813



18.1862, 0.3192, 0.3137



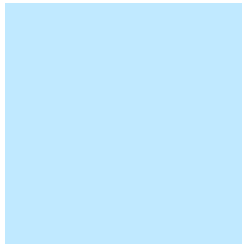
12.5744, 0.4340, 0.2165



1.2450, 0.4177, 0.2075

Previews

White Background



This preview shows how the Yxy color 76.7043, 0.2742, 0.3051 looks on a white background.

Color Contrast Check

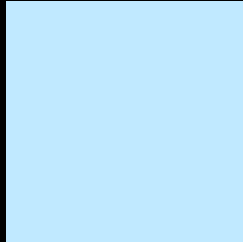
Large Text (above 18pt) WCAG AA × Fail

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 76.7043, 0.2742, 0.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

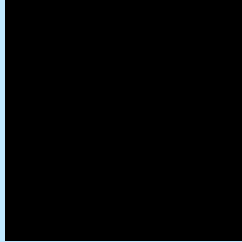
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

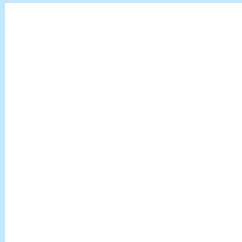
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7043, 0.2742, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 76.7043, 0.2742, 0.3051.

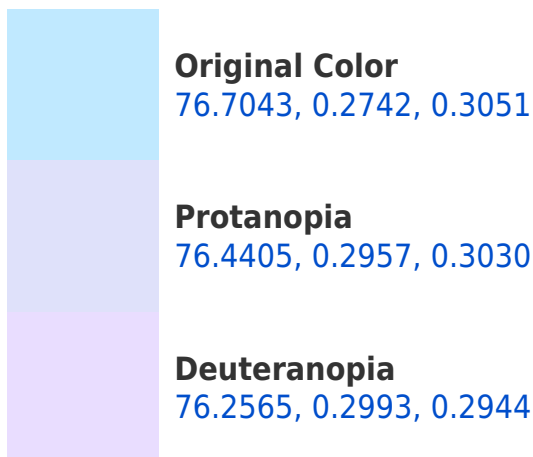


This preview shows how white text looks on a background with the Yxy color 76.7043, 0.2742, 0.3051.

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

76.3825, 0.2752, 0.3082

Trichromacy



Original Color

76.7043, 0.2742, 0.3051

Protanomaly

76.5121, 0.2875, 0.3036

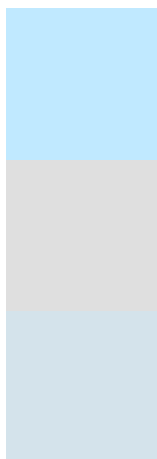
Deuteranomaly

75.9759, 0.2895, 0.2977

Tritanomaly

76.4460, 0.2746, 0.3072

Monochromacy



Original Color

76.7043, 0.2742, 0.3051

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.9334, 0.2976, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7043, 0.2742, 0.3051 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(192, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.7043, 0.2742, 0.3051 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(192, 233, 255) }
```

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

```
.border{ border-color:rgb(192, 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(192, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7043, 0.2742, 0.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 233, 255) }
```

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

```
.background{ background-color: rgb(192,  
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](#).

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