

Converting Colors

$Yxy(76.4421, 0.2737, 0.3047)$

Have a look what the booklet for
Yxy(76.4421, 0.2737, 0.3047)
contains.

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Color

Yxy(76.5742, 0.2736, 0.3051)

Conversions

Conversions Part 1

Format	Color
Hex	BF E9 FF
RGB	191, 233, 255
RGB Percent	75%, 91%, 100%
CMY	0.2510, 0.0862, 0.0001
CMYK	0.25, 0.09, 0.00, 0.00
HSL	201°, 100%, 87%
HSV	201°, 25%, 100%
XYZ	68.6683, 76.5742, 105.7382
YIQ	222.9500, -32.0940, -2.0620

Conversions

Conversions Part 2

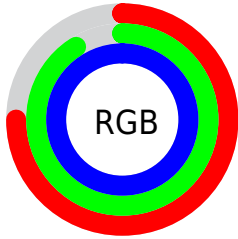
Format	Color
R_{YB}	191, 216, 255
Decimal	12577279
CIE _{Lab}	90.13, -8.78, -15.08
CIE _{LCh}	90, 17.453, 239.779
Yxy	76.5742, 0.2736, 0.3051
Android (android.graphics.Color)	4290767359 (0xFFBFE9FF)
YUV	222.9500, 15.8007, -28.0201
Hunter-Lab	87.5067, -13.0641, -10.3880

Details

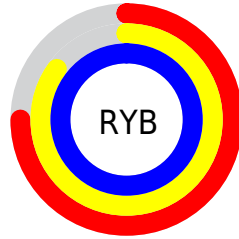
The Yxy color **76.5742, 0.2736, 0.3051** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5769, 0.3606, 0.3517**, and the grayscale version is **73.6571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **40.7557, 0.2648, 0.2992** is the 20% darker color. If you saturate the color by 10%, you get **68.7221, 0.2583, 0.2940**, and if you desaturate by 10%, it is **85.2535, 0.2892, 0.3153**.

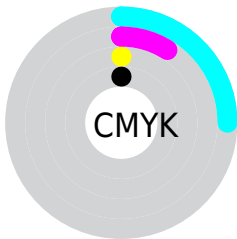
Distribution



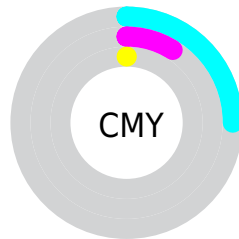
- Red (75%)
- Green (91%)
- Blue (100%)



- 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 76.5742, 0.2736, 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 76.5742, 0.2736, 0.3051 by changing the saturation by 10% instead.

■ 76.5742, 0.2736,
0.3051

■ 76.5742, 0.2736,
0.3051

■ 483.3110, 0.2913,
0.3162

■ 56.9035, 0.2697,
0.3026

■ 128.5382, 0.2797,
0.3090

■ 40.9277, 0.2648,
0.2994

■ 161.6004, 0.2820,
0.3105

■ 28.2626, 0.2588,
0.2954

■ 199.8950, 0.2841,
0.3118

■ 18.5237, 0.2511,
0.2902

■ 243.8067, 0.2859,
0.3129

■ 11.3266, 0.2408,
0.2831

■ 293.7197, 0.2875,
0.3139

■ 6.2870, 0.2266,
0.2730

■ 350.0185, 0.2889,

■ 3.0204, 0.2055,

0.3148

0.2574

413.0875, 0.2902,
0.3155

1.1424, 0.1719,
0.2307

0.0139, 0.0000,
0.0128

76.5742, 0.2736,
0.3051

76.5742, 0.2736,
0.3051

68.7221, 0.2583,
0.2940

85.2535, 0.2892,
0.3153

61.6547, 0.2438,
0.2820

94.7819, 0.3048,
0.3246

55.3388, 0.2303,
0.2694

99.9978, 0.3127,
0.3290

49.7350, 0.2183,
0.2563

■ 44.7988, 0.2082,
0.2430

■ 40.4791, 0.2001,
0.2296

■ 36.7136, 0.1941,
0.2165

■ 35.0256, 0.1917,
0.2102

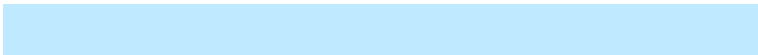
Harmonies

Analogous

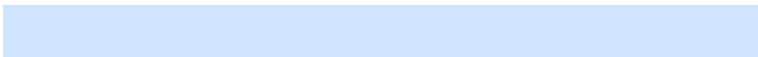
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5742, 0.2762, 0.3215



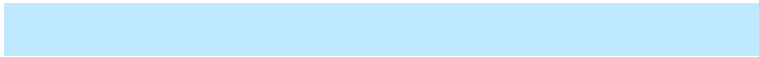
76.5742, 0.2736, 0.3051



76.5742, 0.2810, 0.2958

Triad

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



76.5742, 0.2736, 0.3051



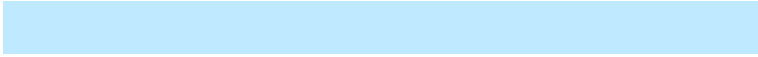
76.5742, 0.3372, 0.3171



76.5742, 0.3278, 0.3653

Complementary

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



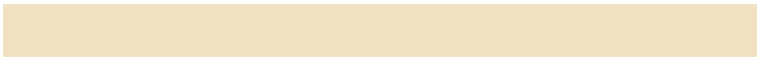
76.5742, 0.2736, 0.3051



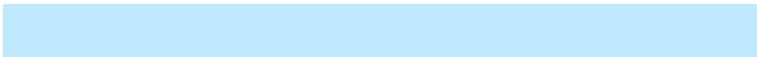
72.5769, 0.3606, 0.3517

Split Complementary

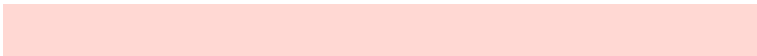
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5742, 0.3449, 0.3627



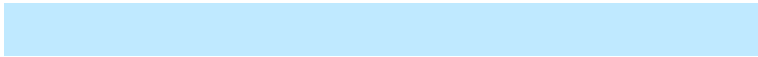
76.5742, 0.2736, 0.3051



76.5742, 0.3506, 0.3345

Square

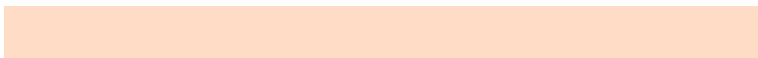
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5742, 0.2736, 0.3051



76.5742, 0.3174, 0.3029



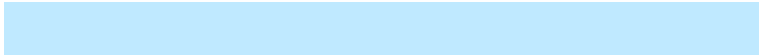
76.5742, 0.3534, 0.3512



76.5742, 0.3071, 0.3573

Rectangle

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



76.5742, 0.2736, 0.3051



76.5742, 0.2908, 0.2944



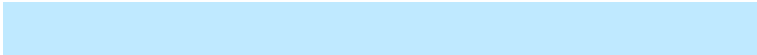
76.5742, 0.3534, 0.3512



76.5742, 0.3342, 0.3656

Sweetspot

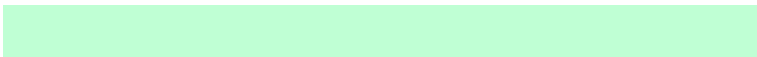
The Sweet Spot groups the original color and five complimentary colors.



76.5773, 0.2736, 0.3051



91.9483, 0.3003, 0.3220



87.3428, 0.2978, 0.3761



19.3701, 0.2980, 0.3206



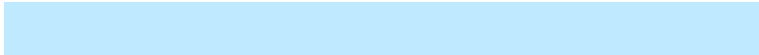
0.0000, 0.0000, 0.0000



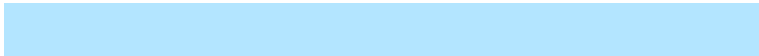
21.4041, 0.3127, 0.3290

Same Dimension

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



76.5773, 0.2736, 0.3051



72.6425, 0.2660, 0.2997



60.3728, 0.2704, 0.2695



19.3701, 0.2980, 0.3206



18.5961, 0.1923, 0.2123



2.0142, 0.1964, 0.2272

Inverse Universe

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



64.3960, 0.3321, 0.2868



58.9431, 0.3368, 0.2782



89.8987, 0.3532, 0.3822



18.1882, 0.3191, 0.3135



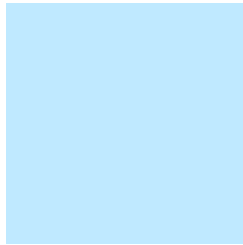
12.6053, 0.4315, 0.2151



1.2479, 0.4156, 0.2063

Previews

White Background



This preview shows how the Yxy color 76.5742, 0.2736, 0.3051 looks on a white background.

Color Contrast Check

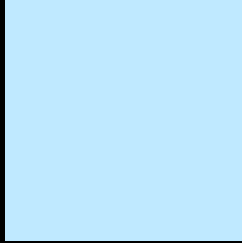
Large Text (above 18pt) WCAG AA × Fail

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 76.5742, 0.2736, 0.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

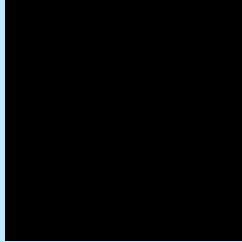
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

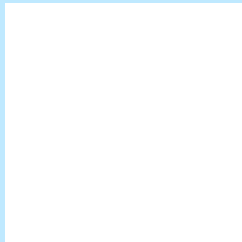
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5742, 0.2736, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 76.5742, 0.2736, 0.3051.

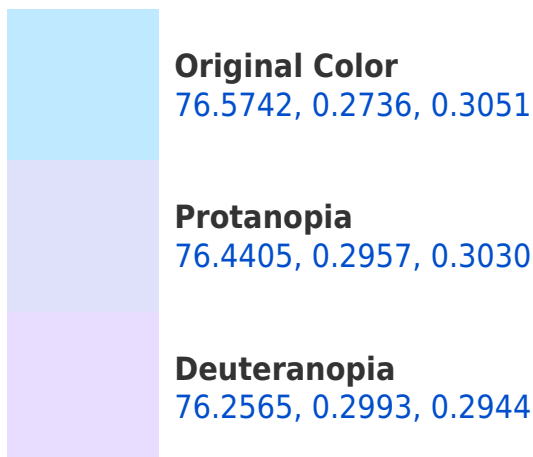


This preview shows how white text looks on a background with the Yxy color 76.5742, 0.2736, 0.3051.

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

76.2533, 0.2746, 0.3082

Trichromacy



Original Color

76.5742, 0.2736, 0.3051

Protanomaly

76.3640, 0.2869, 0.3035

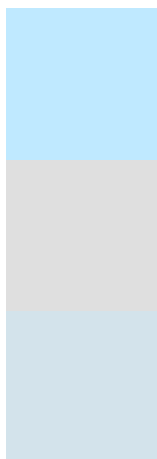
Deuteranomaly

75.9759, 0.2895, 0.2977

Tritanomaly

76.3168, 0.2741, 0.3071

Monochromacy



Original Color

76.5742, 0.2736, 0.3051

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.7852, 0.2969, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5742, 0.2736, 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(191, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.5742, 0.2736, 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(191, 233, 255) }
```

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

```
.border{ border-color:rgb(191, 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(191, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5742, 0.2736, 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(191, 233, 255) }
```

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

```
.background{ background-color: rgb(191,  
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](#).

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