

Converting Colors

$Yxy(76.3034, 0.2686, 0.3064)$

Have a look what the booklet for
Yxy(76.3034, 0.2686, 0.3064)
contains.

Yxy(76.5817, 0.2688, 0.3070)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.5817, 0.2688, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	B6EBFF
RGB	182, 235, 255
RGB Percent	71%, 92%, 100%
CMY	0.2861, 0.0784, 0.0002
CMYK	0.29, 0.08, 0.00, 0.00
HSL	196°, 100%, 86%
HSV	196°, 29%, 100%
XYZ	67.0526, 76.5817, 105.8174
YIQ	221.4330, -38.0080, -5.0160

Conversions

Conversions Part 2

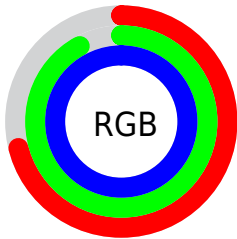
Format	Color
R _Y B	182, 213, 255
Decimal	11987967
CIE Lab	90.13, -12.35, -15.12
CIE LCh	90, 19.524, 230.775
Yxy	76.5817, 0.2688, 0.3070
Android (android.graphics.Color)	4290178047 (0xFFB6EBFF)
YUV	221.4330, 16.5485, -34.5827
Hunter-Lab	87.5110, -16.3740, -10.4352

Details

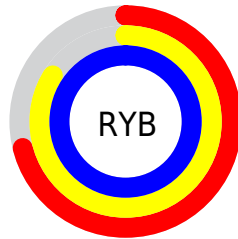
The Yxy color **76.5817, 0.2688, 0.3070** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8775, 0.3704, 0.3499**, and the grayscale version is **72.5350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **40.8294, 0.2591, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **69.8383, 0.2544, 0.2980**, and if you desaturate by 10%, it is **84.0532, 0.2839, 0.3154**.

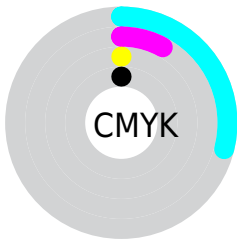
Distribution



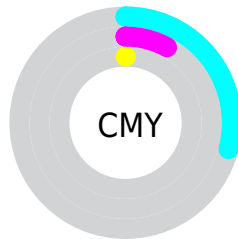
- Red (71%)
- Green (92%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5817, 0.2688, 0.3070 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 76.5817, 0.2688, 0.3070 by changing the saturation by 10% instead.

 76.5817, 0.2688,
0.3070

 76.5817, 0.2688,
0.3070


483.3366, 0.2886,
0.3174

 56.9096, 0.2644,
0.3046


 128.5488, 0.2756,
0.3106

 40.9327, 0.2590,
0.3016


161.6127, 0.2782,
0.3120

 28.2665, 0.2523,
0.2978


199.9093, 0.2805,
0.3132

 18.5266, 0.2437,
0.2929

243.8229, 0.2826,
0.3143

 11.3287, 0.2324,
0.2861

293.7381, 0.2843,
0.3152

 6.2884, 0.2166,
0.2763

350.0392, 0.2859,

 3.0212, 0.1936,

0.3160

0.2610

413.1106, 0.2873,
0.3167

1.1428, 0.1569,
0.2345

0.0143, 0.0000,
0.0131

76.5817, 0.2688,
0.3070

76.5817, 0.2688,
0.3070

69.8383, 0.2544,
0.2980

84.0532, 0.2839,
0.3154

63.7813, 0.2409,
0.2884

92.2737, 0.2994,
0.3230

58.3785, 0.2289,
0.2784

99.9972, 0.3127,
0.3290

53.5905, 0.2186,
0.2681

■ 49.3729, 0.2102,
0.2577

■ 45.6732, 0.2038,
0.2473

■ 42.4180, 0.1993,
0.2370

■ 41.9825, 0.1988,
0.2356

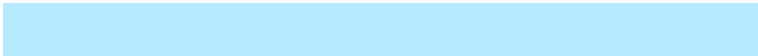
Harmonies

Analogous

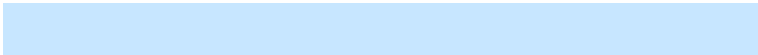
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5817, 0.2750, 0.3270



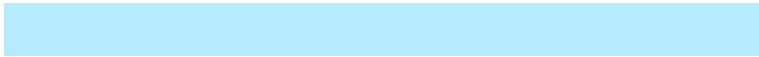
76.5817, 0.2688, 0.3070



76.5817, 0.2737, 0.2940

Triad

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



76.5817, 0.2688, 0.3070



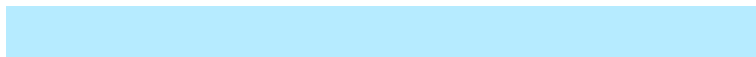
76.5817, 0.3339, 0.3104



76.5817, 0.3360, 0.3700

Complementary

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



76.5817, 0.2688, 0.3070



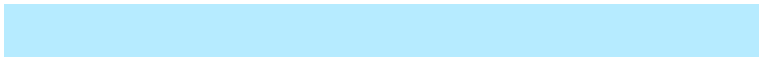
66.8775, 0.3704, 0.3499

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.



76.5817, 0.3528, 0.3637



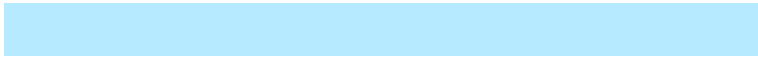
76.5817, 0.2688, 0.3070



76.5817, 0.3517, 0.3291

Square

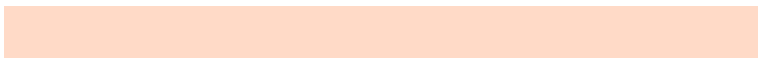
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



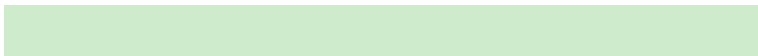
76.5817, 0.2688, 0.3070



76.5817, 0.3107, 0.2965



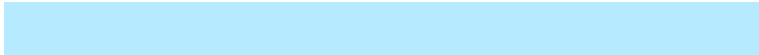
76.5817, 0.3587, 0.3484



76.5817, 0.3133, 0.3647

Rectangle

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



76.5817, 0.2688, 0.3070



76.5817, 0.2828, 0.2905



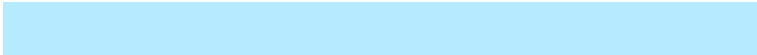
76.5817, 0.3587, 0.3484



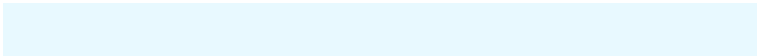
76.5817, 0.3425, 0.3691

Sweetspot

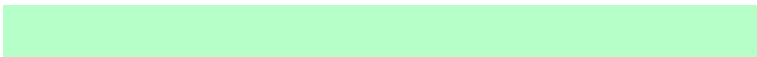
The Sweet Spot groups the original color and five complimentary colors.



76.5848, 0.2688, 0.3070



91.9609, 0.2987, 0.3227



85.6841, 0.2984, 0.3895



19.4181, 0.2965, 0.3216



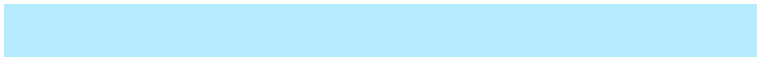
0.0000, 0.0000, 0.0000



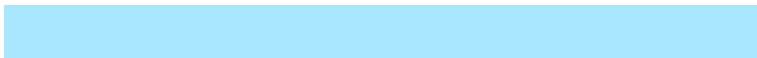
21.4041, 0.3127, 0.3290

Same Dimension

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



76.5848, 0.2688, 0.3070



72.8783, 0.2609, 0.3022



58.0450, 0.2644, 0.2656



19.5910, 0.2980, 0.3223



22.2073, 0.1993, 0.2373



2.3447, 0.2025, 0.2490

Inverse Universe

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



60.7275, 0.3314, 0.2758



55.1607, 0.3359, 0.2656



85.7488, 0.3604, 0.3852



18.2105, 0.3180, 0.3119



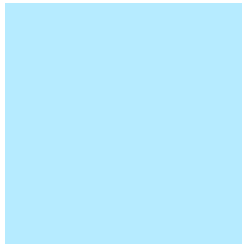
12.9698, 0.4051, 0.2005



1.2812, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 76.5817, 0.2688, 0.3070 looks on a white background.

Color Contrast Check

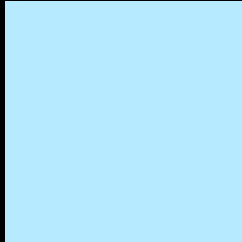
Large Text (above 18pt) WCAG AA × Fail

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 76.5817, 0.2688, 0.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

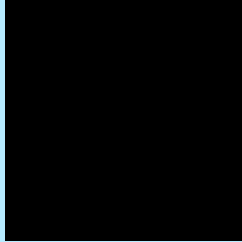
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5817, 0.2688, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 76.5817, 0.2688, 0.3070.

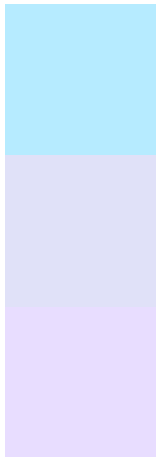


This preview shows how white text looks on a background with the Yxy color 76.5817, 0.2688, 0.3070.

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

76.5817, 0.2688, 0.3070

Protanopia

76.4750, 0.2976, 0.3050

Deuteranopia

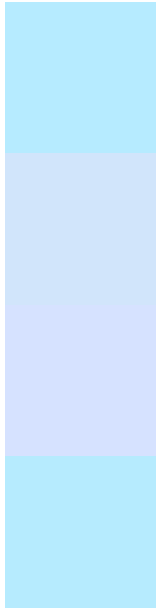
76.0887, 0.2986, 0.2943



Tritanopia

76.5175, 0.2693, 0.3080

Trichromacy



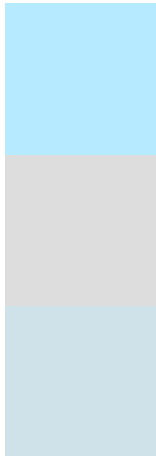
Original Color
76.5817, 0.2688, 0.3070

Protanomaly
76.5590, 0.2863, 0.3056

Deuteranomaly
75.9089, 0.2870, 0.2985

Tritanomaly
76.5175, 0.2693, 0.3080

Monochromacy



Original Color
76.5817, 0.2688, 0.3070

Achromatopsia
72.3055, 0.3127, 0.3290

Achromatomaly
73.5413, 0.2955, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5817, 0.2688, 0.3070 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(182, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 235, 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(182, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.5817, 0.2688, 0.3070 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(182, 235, 255) }
```

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

```
.border{ border-color:rgb(182, 235, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(182, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5817, 0.2688, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 235, 255) }
```

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

```
.background{ background-color: rgb(182,  
235, 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