

Converting Colors

$Yxy(76.6840, 0.2797, 0.3084)$

Have a look what the booklet for
Yxy(76.6840, 0.2797, 0.3084)
contains.

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Color

Yxy(76.6840, 0.2797, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	C6E8FB
RGB	198, 232, 251
RGB Percent	78%, 91%, 98%
CMY	0.2238, 0.0901, 0.0156
CMYK	0.21, 0.08, 0.00, 0.02
HSL	201°, 87%, 88%
HSV	201°, 21%, 98%
XYZ	69.5477, 76.6840, 102.4194
YIQ	224.0000, -26.3630, -1.2990

Conversions

Conversions Part 2

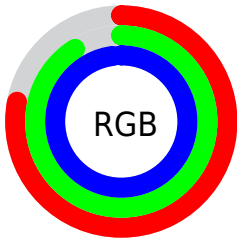
Format	Color
R _Y B	198, 219, 251
Decimal	13035771
CIE Lab	90.18, -7.10, -12.90
CIE LCh	90, 14.723, 241.184
Yxy	76.6840, 0.2797, 0.3084
Android (android.graphics.Color)	4291225851 (0xFFC6E8FB)
YUV	224.0000, 13.3110, -22.8020
Hunter-Lab	87.5694, -11.4816, -8.0458

Details

The Yxy color **76.6840, 0.2797, 0.3084** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1831, 0.3515, 0.3487**, and the grayscale version is **74.4536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7853, 0.2723, 0.3036** is the 20% darker color. If you saturate the color by 10%, you get **68.6242, 0.2642, 0.2971**, and if you desaturate by 10%, it is **85.5740, 0.2954, 0.3187**.

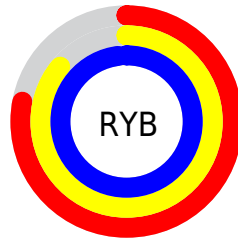
Distribution



Red (78%)

Green (91%)

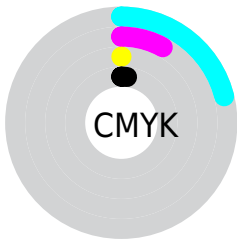
Blue (98%)



Red (78%)

Yellow (86%)

Blue (98%)

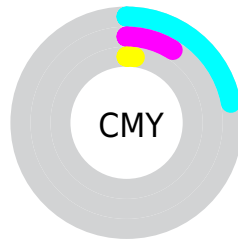


Cyan (21%)

Magenta (8%)

Yellow (0%)

Black (2%)



Cyan (22%)

Magenta (9%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6840, 0.2797, 0.3084 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 76.6840, 0.2797, 0.3084 by changing the saturation by 10% instead.

■ 76.6840, 0.2797,
0.3084

■ 76.6840, 0.2797,
0.3084

■ 483.6859, 0.2947,
0.3180

■ 56.9936, 0.2764,
0.3062

■ 128.6933, 0.2848,
0.3117

■ 41.0001, 0.2723,
0.3035

■ 161.7810, 0.2868,
0.3130

■ 28.3191, 0.2671,
0.3001

■ 200.1032, 0.2886,
0.3141

■ 18.5664, 0.2605,
0.2956

■ 244.0443, 0.2901,
0.3151

■ 11.3574, 0.2517,
0.2895

■ 293.9887, 0.2915,
0.3159

■ 6.3077, 0.2394,
0.2808

■ 350.3209, 0.2927,

■ 3.0331, 0.2210,

0.3167

0.2674

413.4252, 0.2937,
0.3174

1.1490, 0.1909,
0.2441

0.0195, 0.0000,
0.0207

76.6840, 0.2797,
0.3084

76.6840, 0.2797,
0.3084

68.6242, 0.2642,
0.2971

85.5740, 0.2954,
0.3187

61.3536, 0.2491,
0.2850

95.3143, 0.3110,
0.3280

54.8411, 0.2350,
0.2720

99.7464, 0.3150,
0.3328

49.0496, 0.2222,
0.2585

■ 43.9379, 0.2111,
0.2446

■ 39.4591, 0.2019,
0.2306

■ 35.5577, 0.1949,
0.2168

■ 32.5114, 0.1903,
0.2049

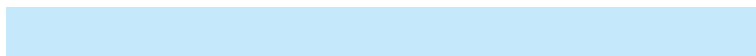
Harmonies

Analogous

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



76.6840, 0.2815, 0.3221



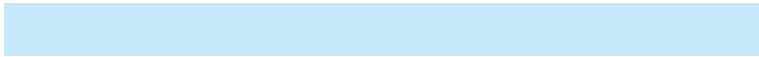
76.6840, 0.2797, 0.3084



76.6840, 0.2864, 0.3007

Triad

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



76.6840, 0.2797, 0.3084



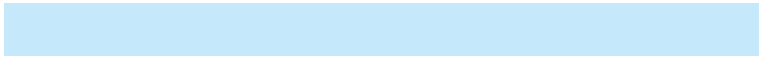
76.6840, 0.3341, 0.3196



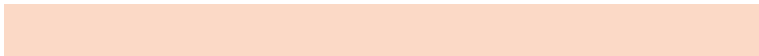
76.6840, 0.3247, 0.3593

Complementary

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



76.6840, 0.2797, 0.3084



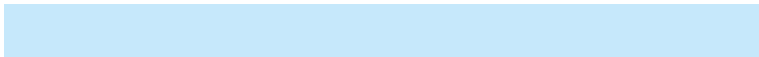
74.1831, 0.3515, 0.3487

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.



76.6840, 0.3393, 0.3577



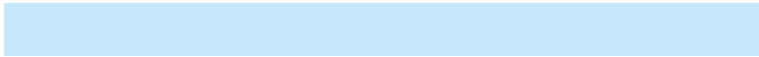
76.6840, 0.2797, 0.3084



76.6840, 0.3449, 0.3345

Square

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



76.6840, 0.2797, 0.3084



76.6840, 0.3175, 0.3074



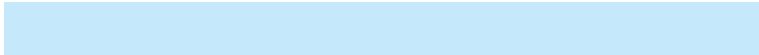
76.6840, 0.3468, 0.3484



76.6840, 0.3072, 0.3522

Rectangle

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



76.6840, 0.2797, 0.3084



76.6840, 0.2949, 0.2997



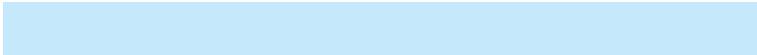
76.6840, 0.3468, 0.3484



76.6840, 0.3302, 0.3598

Sweetspot

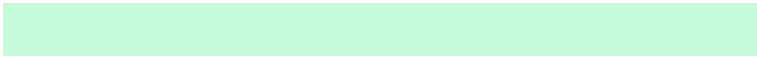
The Sweet Spot groups the original color and five complimentary colors.



76.6871, 0.2797, 0.3084



93.7678, 0.3034, 0.3236



85.9899, 0.2996, 0.3668



19.9292, 0.3024, 0.3230



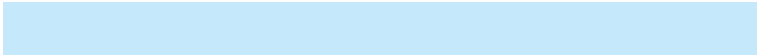
0.0000, 0.0000, 0.0000



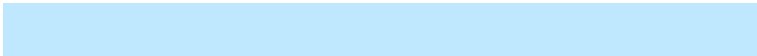
21.4041, 0.3127, 0.3290

Same Dimension

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



76.6871, 0.2797, 0.3084



76.1423, 0.2736, 0.3042



63.0584, 0.2777, 0.2791



18.5020, 0.2980, 0.3203



17.3716, 0.1909, 0.2071



1.8093, 0.1954, 0.2233

Inverse Universe

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



66.7002, 0.3290, 0.2944



64.4671, 0.3327, 0.2878



88.7242, 0.3462, 0.3744



17.4129, 0.3193, 0.3139



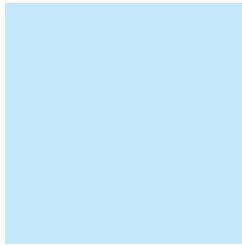
12.1646, 0.4373, 0.2183



1.1469, 0.4197, 0.2086

Previews

White Background



This preview shows how the Yxy color 76.6840, 0.2797, 0.3084 looks on a white background.

Color Contrast Check

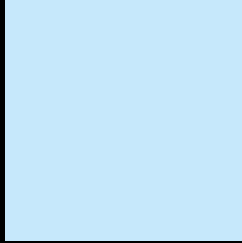
Large Text (above 18pt) WCAG AA × Fail

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 76.6840, 0.2797, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

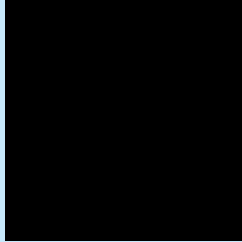
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

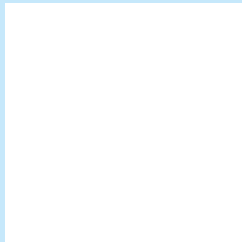
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6840, 0.2797, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 76.6840, 0.2797, 0.3084.



This preview shows how white text looks on a background with the Yxy color 76.6840, 0.2797, 0.3084.

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

76.6840, 0.2797, 0.3084

Protanopia

76.5734, 0.2989, 0.3061

Deuteranopia

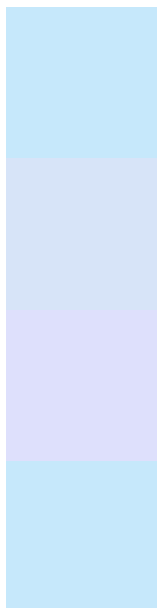
76.1111, 0.3025, 0.2955



Tritanopia

76.6840, 0.2797, 0.3084

Trichromacy



Original Color

76.6840, 0.2797, 0.3084

Protanomaly

76.7112, 0.2918, 0.3078

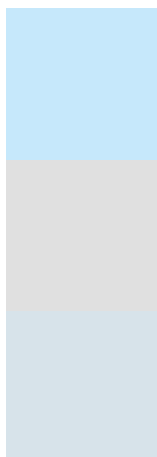
Deuteranomaly

75.8692, 0.2938, 0.2998

Tritanomaly

76.6840, 0.2797, 0.3084

Monochromacy



Original Color

76.6840, 0.2797, 0.3084

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.3258, 0.3002, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6840, 0.2797, 0.3084 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(198, 232, 251)` looks like.

```
.text, #text, p{  
    color:rgb(198, 232, 251)  
}
```

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(198, 232, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 232, 251) }
```

Border

The CSS property to change the border of an element to Yxy 76.6840, 0.2797, 0.3084 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(198, 232, 251) }
```

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

```
.border{ border-color:rgb(198, 232, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 232, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 232, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 232, 251);  
box-shadow:4px 4px 4px 4px rgb(198, 232,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6840, 0.2797, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 232, 251) }
```

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

```
.background{ background-color: rgb(198,  
232, 251) }
```

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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