

Converting Colors

$Yxy(84.9691, 0.2289, 0.2108)$

Have a look what the booklet for
Yxy(84.9691, 0.2289, 0.2108)
contains.

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Color

Yxy(75.6839, 0.2768, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	C5E6FF
RGB	197, 230, 255
RGB Percent	77%, 90%, 100%
CMY	0.2275, 0.0980, 0.0000
CMYK	0.23, 0.10, 0.00, 0.00
HSL	206°, 100%, 89%
HSV	206°, 23%, 100%
XYZ	69.3686, 75.6839, 105.5565
YIQ	222.9830, -27.6930, 0.7790

Conversions

Conversions Part 2

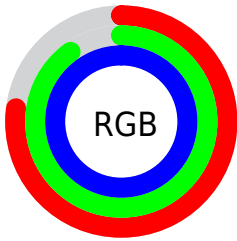
Format	Color
R_{YB}	197, 218, 255
Decimal	12969727
CIE _{Lab}	89.71, -5.49, -15.68
CIE _{LCh}	90, 16.611, 250.718
Yxy	75.6839, 0.2768, 0.3020
Android (android.graphics.Color)	4291159807 (0xFFC5E6FF)
YUV	222.9830, 15.7844, -22.7871
Hunter-Lab	86.9965, -9.9130, -11.0415

Details

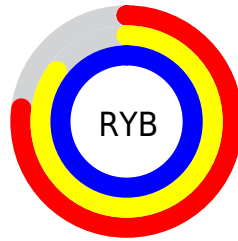
The Yxy color **75.6839, 0.2768, 0.3020** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.5175, 0.3541, 0.3545**, and the grayscale version is **73.6795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **40.4879, 0.2688, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **66.6090, 0.2608, 0.2881**, and if you desaturate by 10%, it is **85.7324, 0.2928, 0.3147**.

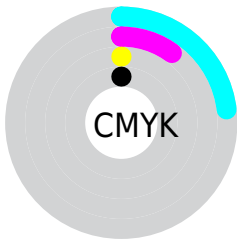
Distribution



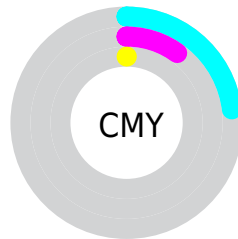
- Red (77%)
- Green (90%)
- Blue (100%)



- Red (77%)
- Yellow (85%)
- Blue (100%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6839, 0.2768, 0.3020 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 75.6839, 0.2768, 0.3020 by changing the saturation by 10% instead.

■ 75.6839, 0.2768,
0.3020

■ 75.6839, 0.2768,
0.3020

480.2649, 0.2931,
0.3145

■ 56.1733, 0.2732,
0.2992

127.2800, 0.2824,
0.3063

■ 40.3419, 0.2687,
0.2957

160.1343, 0.2846,
0.3080

■ 27.8052, 0.2631,
0.2912

198.2053, 0.2865,
0.3095

■ 18.1789, 0.2559,
0.2855

241.8775, 0.2881,
0.3107

■ 11.0785, 0.2463,
0.2777

291.5351, 0.2896,
0.3118

■ 6.1197, 0.2329,
0.2667

347.5626, 0.2909,

■ 2.9180, 0.2130,

0.3128

0.2498

410.3444, 0.2921,
0.3137

■ 1.0891, 0.1807,
0.2214

■ 0.0000, 0.0000,
0.0000

■ 75.6839, 0.2768,
0.3020

■ 75.6839, 0.2768,
0.3020

■ 66.6090, 0.2608,
0.2881

■ 85.7324, 0.2928,
0.3147

■ 58.4621, 0.2451,
0.2731

■ 96.7792, 0.3085,
0.3261

■ 51.2072, 0.2302,
0.2572

■ 99.9998, 0.3127,
0.3290

■ 44.8019, 0.2166,
0.2405

■ 39.1990, 0.2046,
0.2235

■ 34.3451, 0.1948,
0.2066

■ 30.1769, 0.1872,
0.1901

■ 27.5207, 0.1829,
0.1785

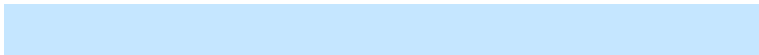
Harmonies

Analogous

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



75.6839, 0.2758, 0.3156



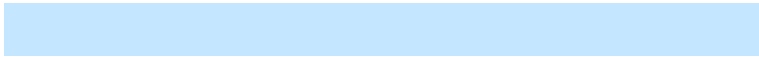
75.6839, 0.2768, 0.3020



75.6839, 0.2871, 0.2960

Triad

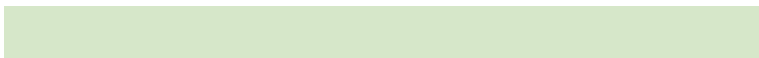
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6839, 0.2768, 0.3020



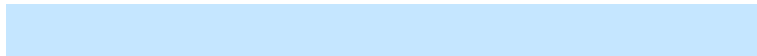
75.6839, 0.3418, 0.3236



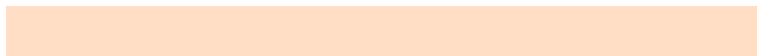
75.6839, 0.3201, 0.3620

Complementary

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



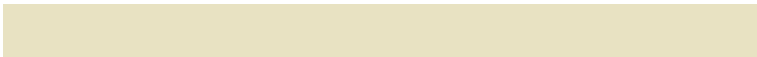
75.6839, 0.2768, 0.3020



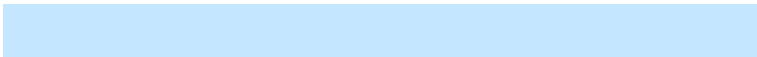
77.5175, 0.3541, 0.3545

Split Complementary

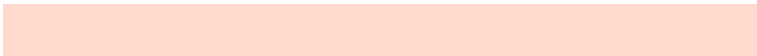
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6839, 0.3383, 0.3632



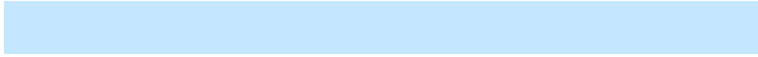
75.6839, 0.2768, 0.3020



75.6839, 0.3511, 0.3404

Square

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



75.6839, 0.2768, 0.3020



75.6839, 0.3245, 0.3084



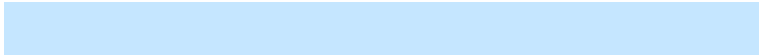
75.6839, 0.3498, 0.3550



75.6839, 0.3003, 0.3510

Rectangle

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



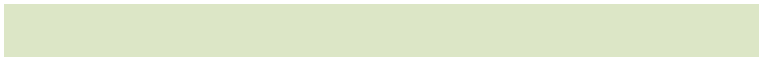
75.6839, 0.2768, 0.3020



75.6839, 0.2981, 0.2967



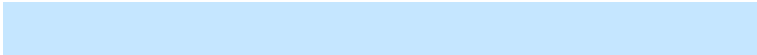
75.6839, 0.3498, 0.3550



75.6839, 0.3266, 0.3635

Sweetspot

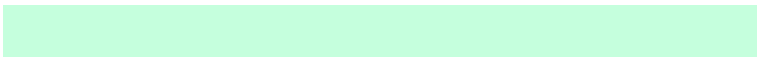
The Sweet Spot groups the original color and five complimentary colors.



75.6870, 0.2768, 0.3020



91.9626, 0.3019, 0.3214



88.6152, 0.2965, 0.3657



19.5405, 0.3009, 0.3207



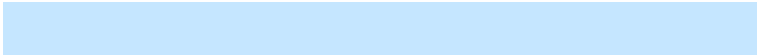
0.0000, 0.0000, 0.0000



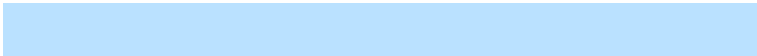
21.4041, 0.3127, 0.3290

Same Dimension

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



75.6870, 0.2768, 0.3020



71.7149, 0.2700, 0.2963



61.2440, 0.2743, 0.2703



19.0944, 0.2979, 0.3185



14.6830, 0.1837, 0.1812



1.6468, 0.1888, 0.1995

Inverse Universe

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



66.8985, 0.3337, 0.2958



61.8961, 0.3387, 0.2893



93.7624, 0.3482, 0.3816



18.1604, 0.3205, 0.3156



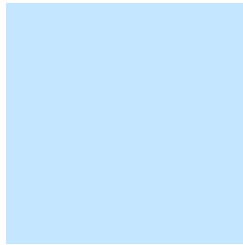
12.2102, 0.4672, 0.2347



1.2108, 0.4458, 0.2230

Previews

White Background



This preview shows how the Yxy color 75.6839, 0.2768, 0.3020 looks on a white background.

Color Contrast Check

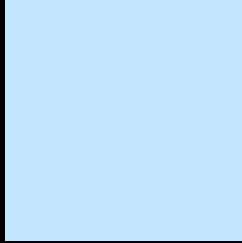
Large Text (above 18pt) WCAG AA × Fail

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 75.6839, 0.2768, 0.3020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

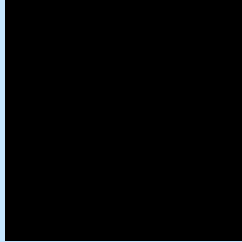
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

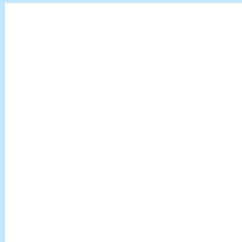
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6839, 0.2768, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 75.6839, 0.2768, 0.3020.



This preview shows how white text looks on a background with the Yxy color 75.6839, 0.2768, 0.3020.

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

75.6839, 0.2768, 0.3020

Protanopia

75.1125, 0.2938, 0.2997

Deuteranopia

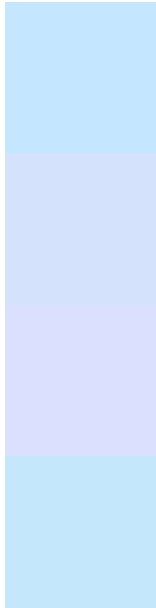
75.3953, 0.2979, 0.2932



Tritanopia

75.7271, 0.2796, 0.3093

Trichromacy



Original Color

75.6839, 0.2768, 0.3020

Protanomaly

75.4180, 0.2874, 0.3014

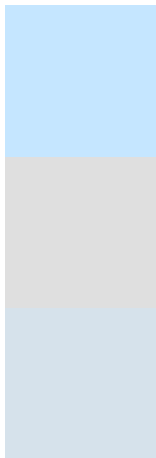
Deuteranomaly

75.5914, 0.2901, 0.2967

Tritanomaly

75.8526, 0.2785, 0.3072

Monochromacy



Original Color

75.6839, 0.2768, 0.3020

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.6870, 0.2989, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6839, 0.2768, 0.3020 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(197, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 230, 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(197, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.6839, 0.2768, 0.3020 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(197, 230, 255) }
```

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

```
.border{ border-color:rgb(197, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(197, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6839, 0.2768, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 230, 255) }
```

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

```
.background{ background-color: rgb(197,  
230, 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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