

Converting Colors

$Y_{xy}(72.4999, 0.2666, 0.2775)$

Have a look what the booklet for
Yxy(72.4999, 0.2666, 0.2775)
contains.

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Color

Yxy(71.5975, 0.2750, 0.2941)

Conversions

Conversions Part 1

Format	Color
Hex	C3DFFF
RGB	195, 223, 255
RGB Percent	76%, 87%, 100%
CMY	0.2352, 0.1255, 0.0000
CMYK	0.24, 0.13, 0.00, 0.00
HSL	212°, 100%, 88%
HSV	212°, 24%, 100%
XYZ	66.9477, 71.5975, 104.9009
YIQ	218.2760, -26.9600, 4.0160

Conversions

Conversions Part 2

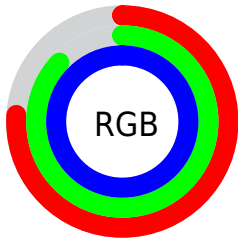
Format	Color
R _{YB}	195, 214, 255
Decimal	12836863
CIE Lab	87.77, -2.43, -18.61
CIE LCh	88, 18.768, 262.557
Yxy	71.5975, 0.2750, 0.2941
Android (android.graphics.Color)	4291026943 (0xFFC3DFFF)
YUV	218.2760, 18.1049, -20.4131
Hunter-Lab	84.6153, -6.8475, -14.2734

Details

The Yxy color **71.5975, 0.2750, 0.2941** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80.1529, 0.3544, 0.3615**, and the grayscale version is **70.2020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **37.6579, 0.2662, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **61.5072, 0.2582, 0.2766**, and if you desaturate by 10%, it is **82.8573, 0.2915, 0.3100**.

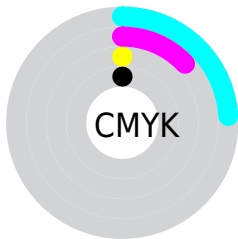
Distribution



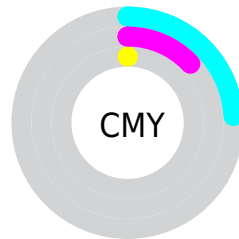
- Red (76%)
- Green (87%)
- Blue (100%)



- Red (76%)
- Yellow (84%)
- Blue (100%)



- Cyan (24%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5975, 0.2750, 0.2941 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 71.5975, 0.2750, 0.2941 by changing the saturation by 10% instead.

71.5975, 0.2750,
0.2941

71.5975, 0.2750,
0.2941

466.1394, 0.2923,
0.3102

52.8299, 0.2711,
0.2904

121.4841, 0.2810,
0.2997

37.6670, 0.2663,
0.2859

153.3720, 0.2833,
0.3019

25.7244, 0.2603,
0.2802

190.4020, 0.2853,
0.3037

16.6176, 0.2524,
0.2728

232.9587, 0.2871,
0.3054

9.9622, 0.2420,
0.2628

281.4264, 0.2886,
0.3068

5.3739, 0.2272,
0.2485

336.1895, 0.2900,

2.4683, 0.2051,

0.3081

0.2270

397.6324, 0.2912,
0.3092

0.8607, 0.1686,
0.1912

0.0000, 0.0000,
0.0000

71.5975, 0.2750,
0.2941

71.5975, 0.2750,
0.2941

61.5072, 0.2582,
0.2766

82.8573, 0.2915,
0.3100

52.5355, 0.2415,
0.2576

95.3194, 0.3073,
0.3243

44.6387, 0.2253,
0.2375

100.0000, 0.3127,
0.3290

37.7668, 0.2103,
0.2165

■ 31.8647, 0.1970,
0.1954

■ 26.8701, 0.1859,
0.1748

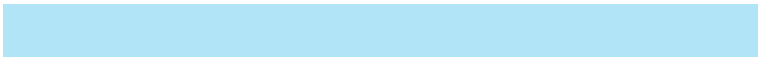
■ 22.7103, 0.1775,
0.1552

■ 20.3999, 0.1732,
0.1434

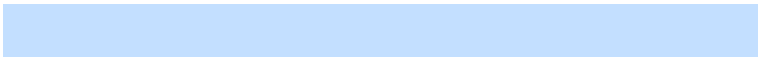
Harmonies

Analogous

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



71.5975, 0.2695, 0.3064



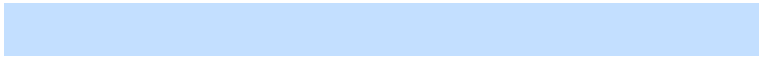
71.5975, 0.2750, 0.2941



71.5975, 0.2904, 0.2912

Triad

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



71.5975, 0.2750, 0.2941



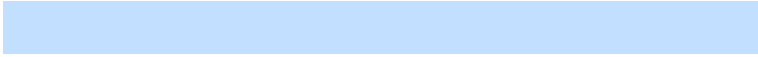
71.5975, 0.3518, 0.3303



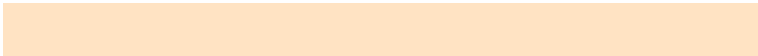
71.5975, 0.3120, 0.3634

Complementary

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



71.5975, 0.2750, 0.2941



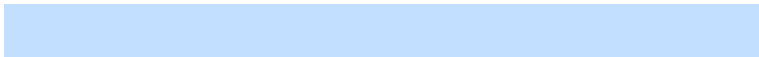
80.1529, 0.3544, 0.3615

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.



71.5975, 0.3344, 0.3694



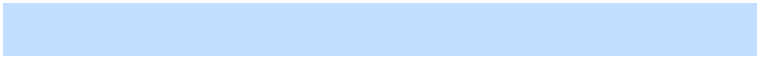
71.5975, 0.2750, 0.2941



71.5975, 0.3579, 0.3492

Square

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



71.5975, 0.2750, 0.2941



71.5975, 0.3348, 0.3117



71.5975, 0.3514, 0.3637



71.5975, 0.2903, 0.3470

Rectangle

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



71.5975, 0.2750, 0.2941



71.5975, 0.3045, 0.2946



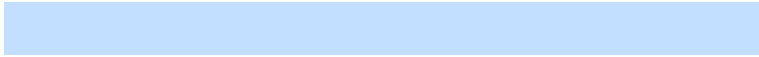
71.5975, 0.3514, 0.3637



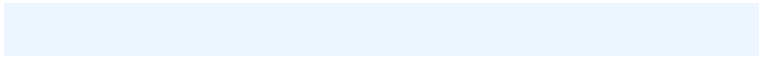
71.5975, 0.3197, 0.3667

Sweetspot

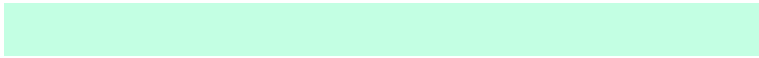
The Sweet Spot groups the original color and five complimentary colors.



71.6001, 0.2750, 0.2941



90.8435, 0.3019, 0.3196



88.6719, 0.2923, 0.3593



19.2813, 0.3009, 0.3187



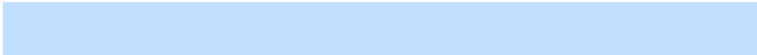
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



71.6001, 0.2750, 0.2941



66.9372, 0.2675, 0.2864



58.1343, 0.2738, 0.2626



18.7745, 0.2979, 0.3160



10.9518, 0.1740, 0.1463



1.2825, 0.1799, 0.1677

Inverse Universe

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



65.6286, 0.3394, 0.3007



60.3798, 0.3459, 0.2950



96.3440, 0.3470, 0.3882



18.1281, 0.3221, 0.3180



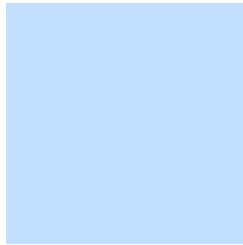
11.8336, 0.5107, 0.2587



1.1740, 0.4835, 0.2437

Previews

White Background



This preview shows how the Yxy color 71.5975, 0.2750, 0.2941 looks on a white background.

Color Contrast Check

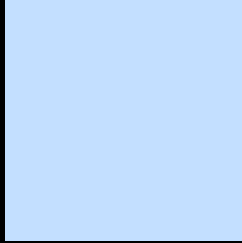
Large Text (above 18pt) WCAG AA × Fail

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 71.5975, 0.2750, 0.2941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

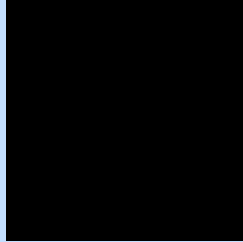
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

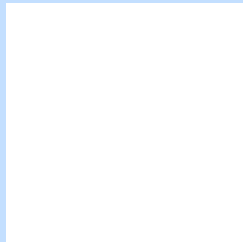
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5975, 0.2750, 0.2941

Background



This preview shows how black text looks on a background with the Yxy color 71.5975, 0.2750, 0.2941.



This preview shows how white text looks on a background with the Yxy color 71.5975, 0.2750, 0.2941.

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

71.5975, 0.2750, 0.2941

Protanopia

71.4672, 0.2884, 0.2929

Deuteranopia

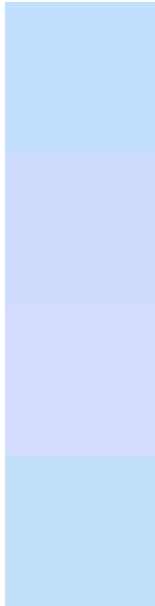
71.5089, 0.2925, 0.2873



Tritanopia

71.6589, 0.2806, 0.3089

Trichromacy



Original Color

71.5975, 0.2750, 0.2941

Protanomaly

71.5436, 0.2834, 0.2936

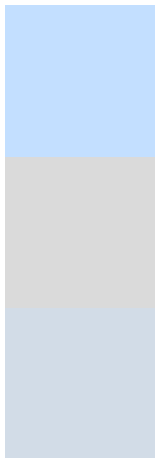
Deuteranomaly

71.5089, 0.2860, 0.2898

Tritanomaly

71.4960, 0.2789, 0.3036

Monochromacy



Original Color

71.5975, 0.2750, 0.2941

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.6576, 0.2987, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5975, 0.2750, 0.2941 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(195, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 223, 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(195, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.5975, 0.2750, 0.2941 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(195, 223, 255) }
```

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

```
.border{ border-color:rgb(195, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5975, 0.2750, 0.2941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 223, 255) }
```

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

```
.background{ background-color: rgb(195,  
223, 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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