

Converting Colors

$Yxy(71.1723, 0.2772, 0.2965)$

Have a look what the booklet for
Yxy(71.1723, 0.2772, 0.2965)
contains.

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Color

Yxy(71.0066, 0.2772, 0.2962)

Conversions

Conversions Part 1

Format	Color
Hex	C4DEFC
RGB	196, 222, 252
RGB Percent	77%, 87%, 99%
CMY	0.2314, 0.1294, 0.0119
CMYK	0.22, 0.12, 0.00, 0.01
HSL	212°, 90%, 88%
HSV	212°, 22%, 99%
XYZ	66.4518, 71.0066, 102.2668
YIQ	217.6460, -25.1260, 3.8180

Conversions

Conversions Part 2

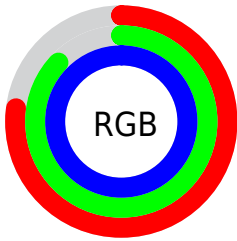
Format	Color
R _{YB}	196, 214, 252
Decimal	12902140
CIE Lab	87.49, -2.30, -17.44
CIE LCh	87, 17.587, 262.491
Yxy	71.0066, 0.2772, 0.2962
Android (android.graphics.Color)	4291092220 (0xFFC4DEFC)
YUV	217.6460, 16.9365, -18.9835
Hunter-Lab	84.2654, -6.6991, -12.9701

Details

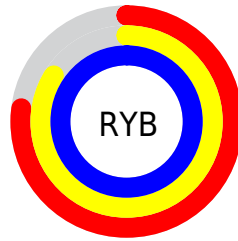
The Yxy color **71.0066, 0.2772, 0.2962** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.0425, 0.3517, 0.3597**, and the grayscale version is **69.7496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **37.2403, 0.2689, 0.2889** is the 20% darker color. If you saturate the color by 10%, you get **61.0292, 0.2604, 0.2788**, and if you desaturate by 10%, it is **82.1302, 0.2936, 0.3120**.

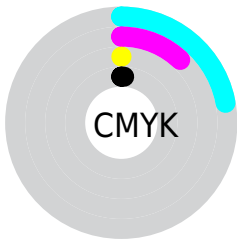
Distribution



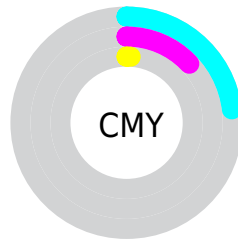
- Red (77%)
- Green (87%)
- Blue (99%)



- Red (77%)
- Yellow (84%)
- Blue (99%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)



- Cyan (23%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0066, 0.2772, 0.2962 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 71.0066, 0.2772, 0.2962 by changing the saturation by 10% instead.

■ 71.0066, 0.2772,
0.2962

■ 71.0066, 0.2772,
0.2962

464.0765, 0.2935,
0.3114

■ 52.3476, 0.2735,
0.2927

120.6431, 0.2828,
0.3015

■ 37.2822, 0.2689,
0.2885

152.3894, 0.2850,
0.3035

■ 25.4261, 0.2632,
0.2830

189.2669, 0.2869,
0.3053

■ 16.3948, 0.2558,
0.2760

231.6600, 0.2886,
0.3068

■ 9.8039, 0.2458,
0.2665

279.9532, 0.2901,
0.3082

■ 5.2692, 0.2316,
0.2529

334.5307, 0.2914,

■ 2.4060, 0.2102,

0.3094

0.2321

395.7770, 0.2925,
0.3104

0.8290, 0.1739,
0.1970

0.0000, 0.0000,
0.0000

71.0066, 0.2772,
0.2962

71.0066, 0.2772,
0.2962

61.0292, 0.2604,
0.2788

82.1302, 0.2936,
0.3120

52.1478, 0.2437,
0.2600

94.4306, 0.3093,
0.3261

44.3205, 0.2274,
0.2399

99.8059, 0.3145,
0.3319

37.4992, 0.2121,
0.2190

■ 31.6310, 0.1986,
0.1979

■ 26.6564, 0.1872,
0.1770

■ 22.5061, 0.1783,
0.1573

■ 19.7715, 0.1730,
0.1429

Harmonies

Analogous

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



71.0066, 0.2720, 0.3078



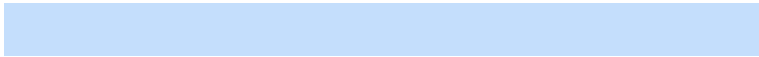
71.0066, 0.2772, 0.2962



71.0066, 0.2917, 0.2934

Triad

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



71.0066, 0.2772, 0.2962



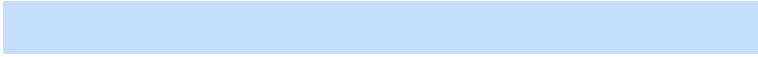
71.0066, 0.3494, 0.3302



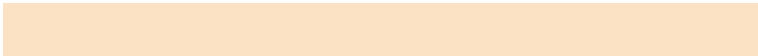
71.0066, 0.3121, 0.3612

Complementary

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



71.0066, 0.2772, 0.2962



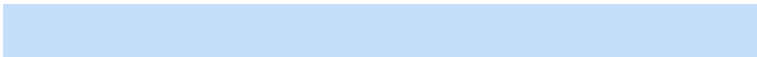
79.0425, 0.3517, 0.3597

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.



71.0066, 0.3332, 0.3669



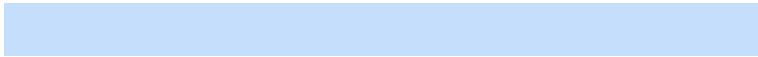
71.0066, 0.2772, 0.2962



71.0066, 0.3552, 0.3480

Square

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



71.0066, 0.2772, 0.2962



71.0066, 0.3335, 0.3127



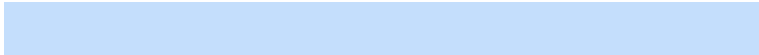
71.0066, 0.3491, 0.3617



71.0066, 0.2917, 0.3459

Rectangle

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



71.0066, 0.2772, 0.2962



71.0066, 0.3050, 0.2965



71.0066, 0.3491, 0.3617



71.0066, 0.3193, 0.3643

Sweetspot

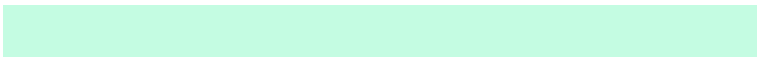
The Sweet Spot groups the original color and five complimentary colors.



71.0095, 0.2772, 0.2962



90.8252, 0.3019, 0.3195



86.8162, 0.2934, 0.3574



19.2771, 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.



71.0095, 0.2772, 0.2962



67.8974, 0.2692, 0.2881



58.4943, 0.2763, 0.2668



17.9727, 0.2980, 0.3160



10.5910, 0.1739, 0.1460



1.1907, 0.1801, 0.1684

Inverse Universe

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



65.4436, 0.3376, 0.3024



61.5107, 0.3445, 0.2964



93.9252, 0.3451, 0.3848



17.3595, 0.3221, 0.3180



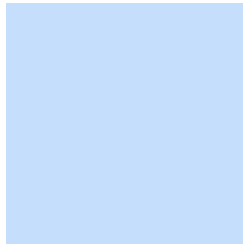
11.4801, 0.5112, 0.2590



1.0844, 0.4826, 0.2432

Previews

White Background



This preview shows how the Yxy color 71.0066, 0.2772, 0.2962 looks on a white background.

Color Contrast Check

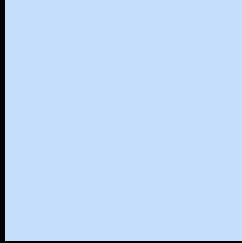
Large Text (above 18pt) WCAG AA × Fail

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 71.0066, 0.2772, 0.2962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

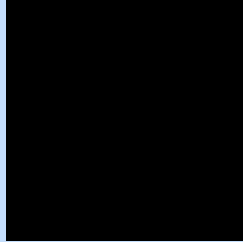
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

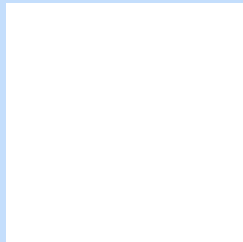
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.0066, 0.2772, 0.2962

Background



This preview shows how black text looks on a background with the Yxy color 71.0066, 0.2772, 0.2962.

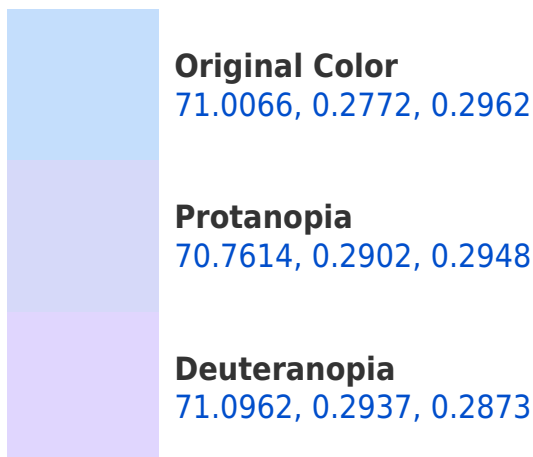


This preview shows how white text looks on a background with the Yxy color 71.0066, 0.2772, 0.2962.

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

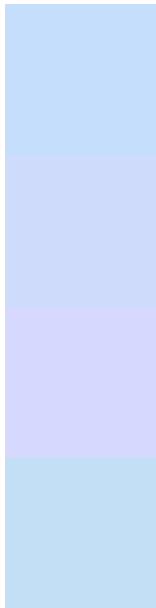




Tritanopia

71.1914, 0.2818, 0.3089

Trichromacy



Original Color

71.0066, 0.2772, 0.2962

Protanomaly

70.8306, 0.2851, 0.2955

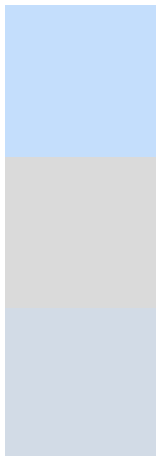
Deuteranomaly

71.0137, 0.2877, 0.2908

Tritanomaly

71.0313, 0.2800, 0.3035

Monochromacy



Original Color

71.0066, 0.2772, 0.2962

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.0778, 0.2993, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0066, 0.2772, 0.2962 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(196, 222, 252)` looks like.

```
.text, #text, p{  
    color:rgb(196, 222, 252)  
}
```

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(196, 222, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 222, 252) }
```

Border

The CSS property to change the border of an element to Yxy 71.0066, 0.2772, 0.2962 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(196, 222, 252) }
```

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

```
.border{ border-color:rgb(196, 222, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 222, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 222, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 222, 252);  
box-shadow:4px 4px 4px 4px rgb(196, 222,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0066, 0.2772, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 222, 252) }
```

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

```
.background{ background-color: rgb(196,  
222, 252) }
```

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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