

Converting Colors

$Y_{xy}(70.9252, 0.2810, 0.3026)$

Have a look what the booklet for
Yxy(70.9252, 0.2810, 0.3026)
contains.

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Color

Yxy(70.7667, 0.2812, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	C5DEF6
RGB	197, 222, 246
RGB Percent	77%, 87%, 96%
CMY	0.2274, 0.1294, 0.0352
CMYK	0.20, 0.10, 0.00, 0.04
HSL	209°, 73%, 87%
HSV	209°, 20%, 96%
XYZ	65.7838, 70.7667, 97.3890
YIQ	217.2610, -22.6040, 2.1640

Conversions

Conversions Part 2

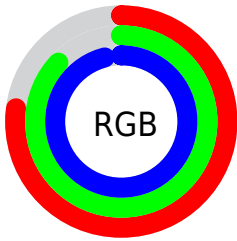
Format	Color
R _Y B	197, 214, 246
Decimal	12967670
CIE Lab	87.37, -3.29, -14.47
CIE LCh	87, 14.841, 257.202
Yxy	70.7667, 0.2812, 0.3025
Android (android.graphics.Color)	4291157750 (0xFFC5DEF6)
YUV	217.2610, 14.1683, -17.7689
Hunter-Lab	84.1229, -7.6289, -9.7539

Details

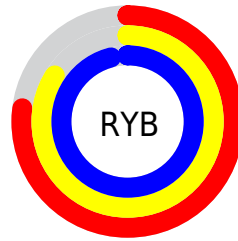
The Yxy color `70.7667, 0.2812, 0.3025` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `75.3475, 0.3476, 0.3541`, and the grayscale version is `69.4915, 0.3127, 0.3290`.

A 20% lighter version of the original color is `99.8108, 0.3121, 0.3290`, and `37.1948, 0.2740, 0.2959` is the 20% darker color. If you saturate the color by 10%, you get `61.5394, 0.2648, 0.2870`, and if you desaturate by 10%, it is `80.9994, 0.2973, 0.3165`.

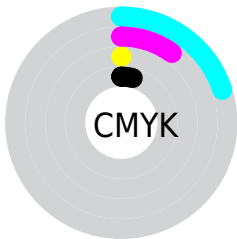
Distribution



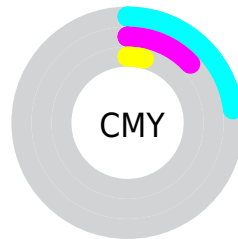
- Red (77%)
- Green (87%)
- Blue (96%)



- Red (77%)
- Yellow (84%)
- Blue (96%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)



- Cyan (23%)
- Magenta (13%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7667, 0.2812, 0.3025 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 70.7667, 0.2812, 0.3025 by changing the saturation by 10% instead.

■ 70.7667, 0.2812,
0.3025

■ 70.7667, 0.2812,
0.3025

463.2375, 0.2957,
0.3148

■ 52.1518, 0.2779,
0.2997

120.3015, 0.2862,
0.3068

■ 37.1261, 0.2738,
0.2962

151.9902, 0.2882,
0.3085

■ 25.3051, 0.2687,
0.2917

188.8056, 0.2899,
0.3099

■ 16.3045, 0.2620,
0.2859

231.1321, 0.2913,
0.3111

■ 9.7399, 0.2530,
0.2779

279.3542, 0.2926,
0.3122

■ 5.2269, 0.2402,
0.2665

333.8562, 0.2938,

■ 2.3810, 0.2205,

0.3132

0.2487

395.0225, 0.2948,
0.3141

0.8161, 0.1856,
0.2178

0.0000, 0.0000,
0.0000

70.7667, 0.2812,
0.3025

70.7667, 0.2812,
0.3025

61.5394, 0.2648,
0.2870

80.9994, 0.2973,
0.3165

53.2732, 0.2485,
0.2702

92.2625, 0.3128,
0.3291

45.9326, 0.2326,
0.2522

99.4345, 0.3179,
0.3376

39.4762, 0.2177,
0.2333

■ 33.8589, 0.2044,
0.2140

■ 29.0299, 0.1930,
0.1947

■ 24.9303, 0.1841,
0.1760

■ 21.4702, 0.1773,
0.1583

■ 21.4443, 0.1773,
0.1582

Harmonies

Analogous

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



70.7667, 0.2783, 0.3137



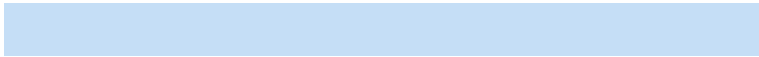
70.7667, 0.2812, 0.3025



70.7667, 0.2923, 0.2986

Triad

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



70.7667, 0.2812, 0.3025



70.7667, 0.3418, 0.3274



70.7667, 0.3155, 0.3576

Complementary

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



70.7667, 0.2812, 0.3025



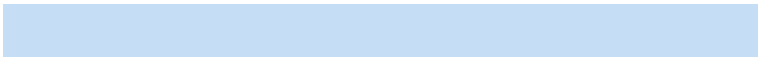
75.3475, 0.3476, 0.3541

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.



70.7667, 0.3329, 0.3608



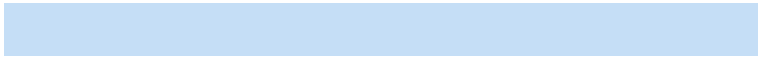
70.7667, 0.2812, 0.3025



70.7667, 0.3484, 0.3427

Square

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



70.7667, 0.2812, 0.3025



70.7667, 0.3273, 0.3129



70.7667, 0.3450, 0.3551



70.7667, 0.2978, 0.3460

Rectangle

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



70.7667, 0.2812, 0.3025



70.7667, 0.3031, 0.3004



70.7667, 0.3450, 0.3551



70.7667, 0.3216, 0.3597

Sweetspot

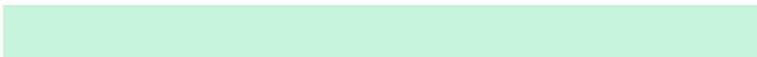
The Sweet Spot groups the original color and five complimentary colors.



70.7696, 0.2812, 0.3025



92.5230, 0.3034, 0.3216



82.9938, 0.2967, 0.3569



19.6349, 0.3024, 0.3208



0.0000, 0.0000, 0.0000



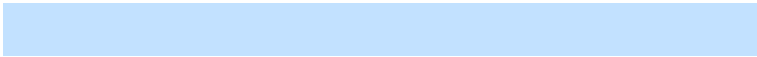
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7696, 0.2812, 0.3025



72.5221, 0.2745, 0.2963



58.8332, 0.2795, 0.2749



17.3243, 0.2980, 0.3171



11.7269, 0.1781, 0.1611



1.2364, 0.1843, 0.1834

Inverse Universe

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



64.8045, 0.3328, 0.3031



65.1917, 0.3380, 0.2974



89.0491, 0.3429, 0.3780



16.6236, 0.3213, 0.3170



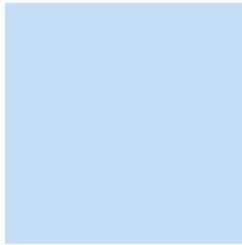
11.2832, 0.4918, 0.2483



1.0125, 0.4645, 0.2333

Previews

White Background



This preview shows how the Yxy color 70.7667, 0.2812, 0.3025 looks on a white background.

Color Contrast Check

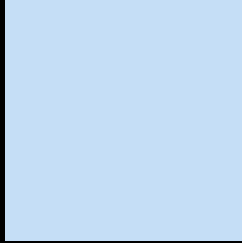
Large Text (above 18pt) WCAG AA × Fail

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 70.7667, 0.2812, 0.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

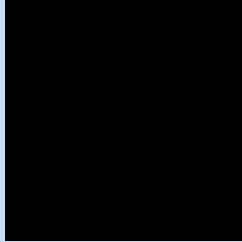
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

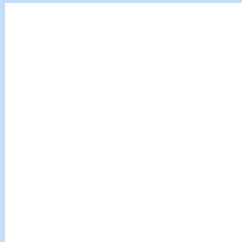
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7667, 0.2812, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 70.7667, 0.2812, 0.3025.

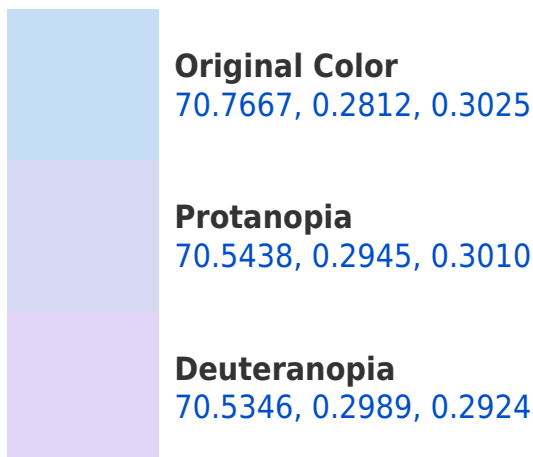


This preview shows how white text looks on a background with the Yxy color 70.7667, 0.2812, 0.3025.

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

70.8620, 0.2835, 0.3090

Trichromacy



Original Color

70.7667, 0.2812, 0.3025

Protanomaly

70.6046, 0.2893, 0.3018

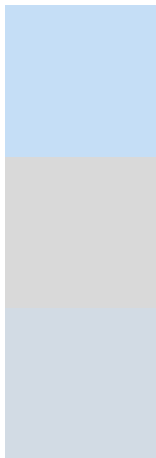
Deuteranomaly

70.2742, 0.2920, 0.2958

Tritanomaly

70.9822, 0.2824, 0.3068

Monochromacy



Original Color

70.7667, 0.2812, 0.3025

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.9661, 0.3006, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7667, 0.2812, 0.3025 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, 222, 246)` looks like.

```
.text, #text, p{  
    color:rgb(197, 222, 246)  
}
```

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, 222, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 222, 246) }
```

Border

The CSS property to change the border of an element to Yxy 70.7667, 0.2812, 0.3025 is called "border". The border property can be set on classes, ids or directly on the HTML element.

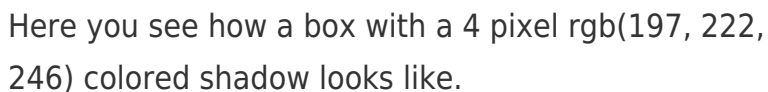
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 222, 246) }
```

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

```
.border{ border-color:rgb(197, 222, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 222, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 222, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 222, 246); box-shadow:4px 4px 4px 4px rgb(197, 222, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7667, 0.2812, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 222, 246) }
```

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

```
.background{ background-color: rgb(197,  
222, 246) }
```

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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