

Converting Colors

$Yxy(69.3977, 0.2828, 0.3003)$

Have a look what the booklet for
Yxy(69.3977, 0.2828, 0.3003)
contains.

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Color

Yxy(69.3977, 0.2828, 0.3003)

Conversions

Conversions Part 1

Format	Color
Hex	C7DBF5
RGB	199, 219, 245
RGB Percent	78%, 86%, 96%
CMY	0.2199, 0.1411, 0.0392
CMYK	0.19, 0.11, 0.00, 0.04
HSL	214°, 70%, 87%
HSV	214°, 19%, 96%
XYZ	65.3535, 69.3977, 96.3433
YIQ	215.9840, -20.2660, 3.8460

Conversions

Conversions Part 2

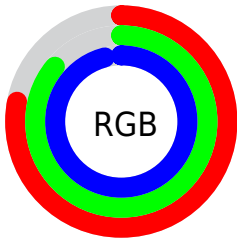
Format	Color
R _{YB}	199, 213, 245
Decimal	13097973
CIE _{Lab}	86.70, -1.36, -14.94
CIE _{LCh}	87, 14.999, 264.791
Yxy	69.3977, 0.2828, 0.3003
Android (android.graphics.Color)	4291288053 (0xFFC7DBF5)
YUV	215.9840, 14.3049, -14.8950
Hunter-Lab	83.3053, -5.7498, -10.2557

Details

The Yxy color **69.3977, 0.2828, 0.3003** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.3426, 0.3447, 0.3561**, and the grayscale version is **68.5639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.2448, 0.2759, 0.2930** is the 20% darker color. If you saturate the color by 10%, you get **59.4012, 0.2660, 0.2826**, and if you desaturate by 10%, it is **80.5380, 0.2991, 0.3163**.

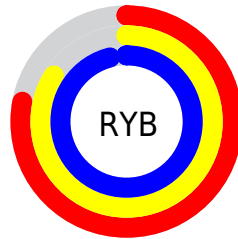
Distribution



Red (78%)

Green (86%)

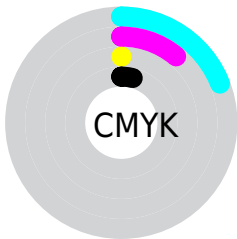
Blue (96%)



Red (78%)

Yellow (84%)

Blue (96%)

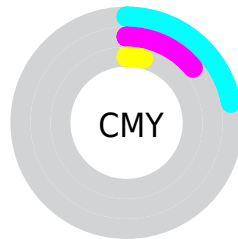


Cyan (19%)

Magenta (11%)

Yellow (0%)

Black (4%)



Cyan (22%)

Magenta (14%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3977, 0.2828, 0.3003 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 69.3977, 0.2828, 0.3003 by changing the saturation by 10% instead.

■ 69.3977, 0.2828,
0.3003

■ 69.3977, 0.2828,
0.3003

458.4324, 0.2967,
0.3137

■ 51.0357, 0.2796,
0.2972

118.3494, 0.2876,
0.3049

■ 36.2370, 0.2757,
0.2935

149.7079, 0.2895,
0.3067

■ 24.6173, 0.2708,
0.2886

186.1673, 0.2911,
0.3083

■ 15.7922, 0.2643,
0.2824

228.1121, 0.2925,
0.3097

■ 9.3772, 0.2556,
0.2738

275.9266, 0.2937,
0.3108

■ 4.9880, 0.2430,
0.2615

329.9952, 0.2948,

■ 2.2402, 0.2237,

0.3119

0.2423

390.7023, 0.2958,
0.3128

0.7418, 0.1884,
0.2080

0.0000, 0.0000,
0.0000

69.3977, 0.2828,
0.3003

69.3977, 0.2828,
0.3003

59.4012, 0.2660,
0.2826

80.5380, 0.2991,
0.3163

50.4998, 0.2489,
0.2632

92.8515, 0.3145,
0.3306

42.6533, 0.2321,
0.2424

99.3732, 0.3185,
0.3386

35.8157, 0.2160,
0.2206

■ 29.9364, 0.2014,
0.1984

■ 24.9598, 0.1888,
0.1764

■ 20.8219, 0.1788,
0.1555

■ 17.4364, 0.1714,
0.1363

■ 17.0708, 0.1706,
0.1341

Harmonies

Analogous

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



69.3977, 0.2776, 0.3099



69.3977, 0.2828, 0.3003



69.3977, 0.2959, 0.2984

Triad

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



69.3977, 0.2828, 0.3003



69.3977, 0.3449, 0.3314



69.3977, 0.3109, 0.3558

Complementary

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



69.3977, 0.2828, 0.3003



77.3426, 0.3447, 0.3561

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.



69.3977, 0.3291, 0.3614



69.3977, 0.2828, 0.3003



69.3977, 0.3491, 0.3466

Square

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



69.3977, 0.2828, 0.3003



69.3977, 0.3318, 0.3160



69.3977, 0.3432, 0.3578



69.3977, 0.2935, 0.3423

Rectangle

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



69.3977, 0.2828, 0.3003



69.3977, 0.3075, 0.3014



69.3977, 0.3432, 0.3578



69.3977, 0.3171, 0.3587

Sweetspot

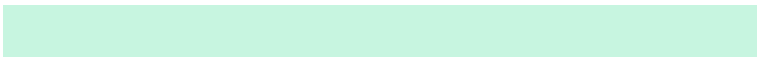
The Sweet Spot groups the original color and five complimentary colors.



69.4005, 0.2828, 0.3003



91.8299, 0.3035, 0.3205



82.8404, 0.2958, 0.3517



19.4711, 0.3024, 0.3195



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.



69.4005, 0.2828, 0.3003



71.2029, 0.2757, 0.2930



59.8599, 0.2831, 0.2776



17.1153, 0.2980, 0.3153



9.4598, 0.1714, 0.1370



1.0320, 0.1781, 0.1612

Inverse Universe

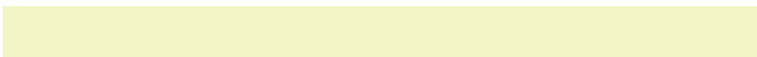
The Inverse Universe completely reimagines the original color for something new.



65.3461, 0.3340, 0.3081



66.1676, 0.3400, 0.3031



88.4334, 0.3395, 0.3761



16.6025, 0.3225, 0.3187



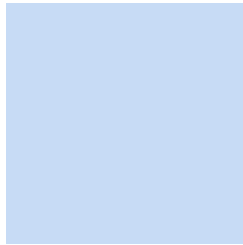
11.0543, 0.5231, 0.2655



0.9918, 0.4916, 0.2482

Previews

White Background



This preview shows how the Yxy color 69.3977, 0.2828, 0.3003 looks on a white background.

Color Contrast Check

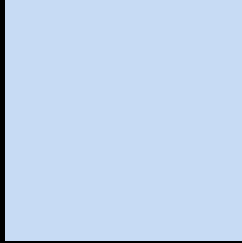
Large Text (above 18pt) WCAG AA × Fail

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 69.3977, 0.2828, 0.3003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

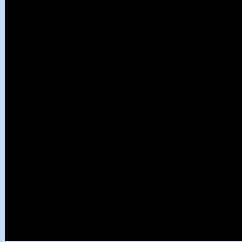
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

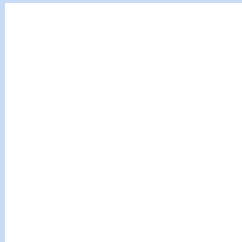
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.3977, 0.2828, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 69.3977, 0.2828, 0.3003.



This preview shows how white text looks on a background with the Yxy color 69.3977, 0.2828, 0.3003.

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

69.3977, 0.2828, 0.3003

Protanopia

69.2181, 0.2931, 0.2987

Deuteranopia

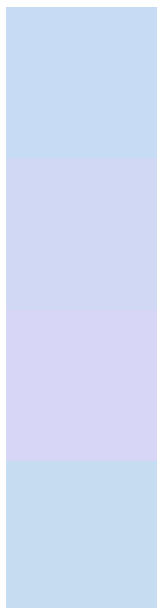
69.1512, 0.2981, 0.2911



Tritanopia

69.3652, 0.2864, 0.3089

Trichromacy



Original Color

69.3977, 0.2828, 0.3003

Protanomaly

69.0533, 0.2892, 0.2985

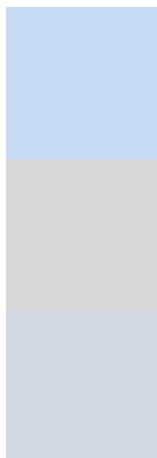
Deuteranomaly

69.1940, 0.2926, 0.2947

Tritanomaly

69.5430, 0.2846, 0.3056

Monochromacy



Original Color

69.3977, 0.2828, 0.3003

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.8734, 0.3012, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3977, 0.2828, 0.3003 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(199, 219, 245)` looks like.

```
.text, #text, p{  
    color:rgb(199, 219, 245)  
}
```

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(199, 219, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 219, 245) }
```

Border

The CSS property to change the border of an element to Yxy 69.3977, 0.2828, 0.3003 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(199, 219, 245) }
```

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

```
.border{ border-color:rgb(199, 219, 245) }
```

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

Here you see how a box with a 4 pixel rgb(199, 219, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 219, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 219, 245);  
box-shadow:4px 4px 4px 4px rgb(199, 219,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3977, 0.2828, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 219, 245) }
```

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

```
.background{ background-color: rgb(199,  
219, 245) }
```

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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