

Converting Colors

$Y_{xy}(66.9232, 0.2975, 0.3079)$

Have a look what the booklet for
Yxy(66.9232, 0.2975, 0.3079)
contains.

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Color

Yxy(66.9700, 0.2973, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	D1D5E8
RGB	209, 213, 232
RGB Percent	82%, 84%, 91%
CMY	0.1802, 0.1647, 0.0901
CMYK	0.10, 0.08, 0.00, 0.09
HSL	230°, 33%, 86%
HSV	230°, 10%, 91%
XYZ	64.6644, 66.9700, 85.8712
YIQ	213.9700, -8.4830, 5.0610

Conversions

Conversions Part 2

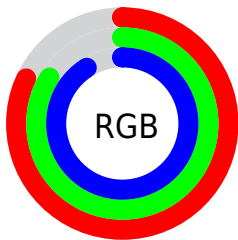
Format	Color
R _Y B	209, 212, 232
Decimal	13751784
CIE Lab	85.49, 2.30, -9.80
CIE LCh	85, 10.069, 283.234
Yxy	66.9700, 0.2973, 0.3079
Android (android.graphics.Color)	4291941864 (0xFFD1D5E8)
YUV	213.9700, 8.8888, -4.3587
Hunter-Lab	81.8352, -2.1647, -4.9295

Details

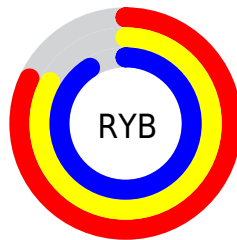
The Yxy color **66.9700, 0.2973, 0.3079** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.2869, 0.3279, 0.3493**, and the grayscale version is **67.1732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.4583, 0.2934, 0.3028** is the 20% darker color. If you saturate the color by 10%, you get **54.7308, 0.2802, 0.2838**, and if you desaturate by 10%, it is **80.8529, 0.3129, 0.3292**.

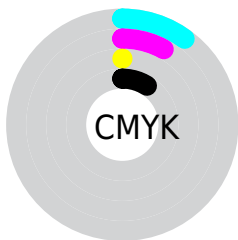
Distribution



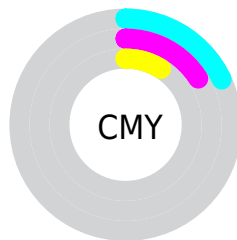
- Red (82%)
- Green (84%)
- Blue (91%)



- Red (82%)
- Yellow (83%)
- Blue (91%)



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9700, 0.2973, 0.3079 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 66.9700, 0.2973, 0.3079 by changing the saturation by 10% instead.

■ 66.9700, 0.2973,
0.3079

■ 66.9700, 0.2973,
0.3079

449.8380, 0.3045,
0.3177

■ 49.0602, 0.2956,
0.3056

114.8774, 0.2998,
0.3113

■ 34.6673, 0.2935,
0.3028

145.6439, 0.3008,
0.3127

■ 23.4067, 0.2909,
0.2992

181.4647, 0.3017,
0.3138

■ 14.8941, 0.2873,
0.2945

222.7243, 0.3024,
0.3148

■ 8.7451, 0.2824,
0.2881

269.8070, 0.3030,
0.3157

■ 4.5753, 0.2753,
0.2787

323.0973, 0.3036,

■ 2.0003, 0.2637,

0.3164

0.2638

382.9795, 0.3041,
0.3171

0.6076, 0.2400,
0.2301

0.0000, 0.0000,
0.0000

66.9700, 0.2973,
0.3079

66.9700, 0.2973,
0.3079

54.7308, 0.2802,
0.2838

80.8529, 0.3129,
0.3292

44.0657, 0.2616,
0.2571

96.3439, 0.3265,
0.3479

34.9128, 0.2421,
0.2280

98.6070, 0.3262,
0.3512

27.2025, 0.2222,
0.1974

■ 20.8600, 0.2030,
0.1664

■ 15.8034, 0.1855,
0.1368

■ 11.9416, 0.1710,
0.1105

■ 9.1708, 0.1604,
0.0891

■ 7.3503, 0.1539,
0.0738

Harmonies

Analogous

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



66.9700, 0.2902, 0.3115



66.9700, 0.2973, 0.3079



66.9700, 0.3086, 0.3098

Triad

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



66.9700, 0.2973, 0.3079



66.9700, 0.3371, 0.3374



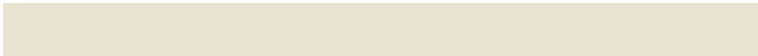
66.9700, 0.3040, 0.3419

Complementary

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



66.9700, 0.2973, 0.3079



77.2869, 0.3279, 0.3493

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.



66.9700, 0.3164, 0.3492



66.9700, 0.2973, 0.3079



66.9700, 0.3357, 0.3462

Square

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



66.9700, 0.2973, 0.3079



66.9700, 0.3317, 0.3266



66.9700, 0.3281, 0.3507



66.9700, 0.2940, 0.3311

Rectangle

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



66.9700, 0.2973, 0.3079



66.9700, 0.3171, 0.3139



66.9700, 0.3281, 0.3507



66.9700, 0.3080, 0.3449

Sweetspot

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



66.9728, 0.2973, 0.3079



94.6021, 0.3082, 0.3229



76.8730, 0.3000, 0.3336



19.9468, 0.3070, 0.3212



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.



66.9728, 0.2973, 0.3079



79.5351, 0.2937, 0.3029



66.0969, 0.3024, 0.3038



14.2854, 0.2980, 0.3089



4.1976, 0.1544, 0.0756



0.4293, 0.1611, 0.0998

Inverse Universe

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



67.5842, 0.3273, 0.3248



80.4806, 0.3309, 0.3238



78.2922, 0.3223, 0.3537



14.4082, 0.3265, 0.3250



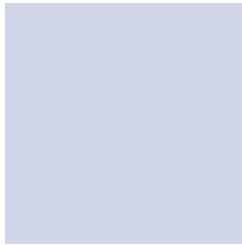
9.6215, 0.6140, 0.3156



0.7230, 0.5761, 0.2947

Previews

White Background



This preview shows how the Yxy color 66.9700, 0.2973, 0.3079 looks on a white background.

Color Contrast Check

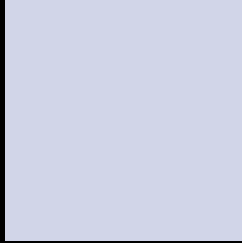
Large Text (above 18pt) WCAG AA × Fail

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 66.9700, 0.2973, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

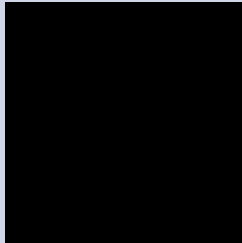
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

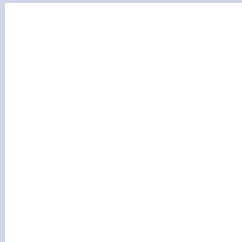
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.9700, 0.2973, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 66.9700, 0.2973, 0.3079.

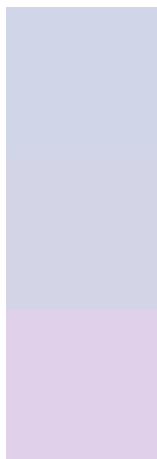


This preview shows how white text looks on a background with the Yxy color 66.9700, 0.2973, 0.3079.

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

66.9700, 0.2973, 0.3079

Protanopia

66.8535, 0.3000, 0.3080

Deuteranopia

67.0025, 0.3081, 0.3022



Tritanopia

66.8570, 0.2986, 0.3101

Trichromacy



Original Color

66.9700, 0.2973, 0.3079

Protanomaly

66.7054, 0.2993, 0.3080

Deuteranomaly

67.0364, 0.3037, 0.3040

Tritanomaly

66.9133, 0.2979, 0.3090

Monochromacy



Original Color

66.9700, 0.2973, 0.3079

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.3106, 0.3066, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9700, 0.2973, 0.3079 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(209, 213, 232)` looks like.

```
.text, #text, p{  
    color:rgb(209, 213, 232)  
}
```

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(209, 213, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 213, 232) }
```

Border

The CSS property to change the border of an element to Yxy 66.9700, 0.2973, 0.3079 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(209, 213, 232) }
```

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

```
.border{ border-color:rgb(209, 213, 232) }
```

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

Here you see how a box with a 4 pixel rgb(209, 213, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 213, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 213, 232);  
box-shadow:4px 4px 4px 4px rgb(209, 213,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9700, 0.2973, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 213, 232) }
```

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

```
.background{ background-color: rgb(209,  
213, 232) }
```

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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