

Converting Colors

$Yxy(73.7073, 0.2979, 0.3145)$

Have a look what the booklet for
Yxy(73.7073, 0.2979, 0.3145)
contains.

Yxy(73.8728, 0.2983, 0.3150)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.8728, 0.2983, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	D7E0ED
RGB	215, 224, 237
RGB Percent	84%, 88%, 93%
CMY	0.1570, 0.1215, 0.0706
CMYK	0.09, 0.05, 0.00, 0.07
HSL	215°, 38%, 89%
HSV	215°, 9%, 93%
XYZ	69.9564, 73.8728, 90.6877
YIQ	222.7910, -9.5370, 2.1350

Conversions

Conversions Part 2

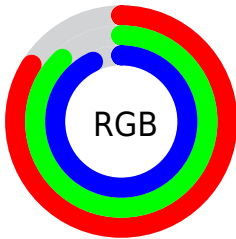
Format	Color
R _Y B	215, 221, 237
Decimal	14147821
CIE Lab	88.86, -0.55, -7.38
CIE LCh	89, 7.397, 265.711
Yxy	73.8728, 0.2983, 0.3150
Android (android.graphics.Color)	4292337901 (0xFFD7E0ED)
YUV	222.7910, 7.0050, -6.8327
Hunter-Lab	85.9493, -5.1254, -2.3941

Details

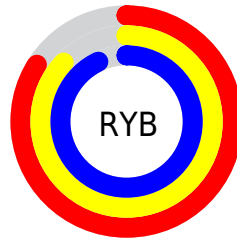
The Yxy color **73.8728, 0.2983, 0.3150** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.3611, 0.3275, 0.3426**, and the grayscale version is **73.5879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.1857, 0.2949, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **63.3465, 0.2820, 0.2982**, and if you desaturate by 10%, it is **85.5409, 0.3138, 0.3300**.

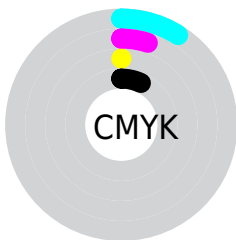
Distribution



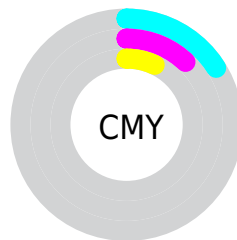
- Red (84%)
- Green (88%)
- Blue (93%)



- Red (84%)
- Yellow (87%)
- Blue (93%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (16%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8728, 0.2983, 0.3150 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 73.8728, 0.2983, 0.3150 by changing the saturation by 10% instead.

■ 73.8728, 0.2983,
0.3150

■ 73.8728, 0.2983,
0.3150

474.0342, 0.3049,
0.3215

■ 54.6899, 0.2968,
0.3135

124.7155, 0.3006,
0.3172

■ 39.1535, 0.2949,
0.3117

157.1441, 0.3015,
0.3181

■ 26.8792, 0.2926,
0.3094

194.7567, 0.3023,
0.3189

■ 17.4825, 0.2895,
0.3064

237.9378, 0.3029,
0.3195

■ 10.5791, 0.2853,
0.3023

287.0717, 0.3035,
0.3201

■ 5.7846, 0.2793,
0.2964

342.5428, 0.3041,

■ 2.7145, 0.2700,

0.3206

0.2873

404.7355, 0.3045,
0.3211

■ 0.9846, 0.2537,
0.2711

■ 0.0000, 0.0000,
0.0000

■ 73.8728, 0.2983,
0.3150

■ 73.8728, 0.2983,
0.3150

■ 63.3465, 0.2820,
0.2982

■ 85.5409, 0.3138,
0.3300

■ 53.9159, 0.2650,
0.2796

■ 96.9540, 0.3235,
0.3435

■ 45.5448, 0.2477,
0.2593

■ 98.8941, 0.3232,
0.3464

■ 38.1915, 0.2306,
0.2375

■ 31.8112, 0.2143,
0.2147

■ 26.3551, 0.1994,
0.1916

■ 21.7688, 0.1867,
0.1689

■ 17.9906, 0.1765,
0.1475

■ 14.9332, 0.1690,
0.1281

Harmonies

Analogous

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



73.8728, 0.2956, 0.3197



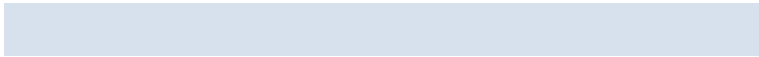
73.8728, 0.2983, 0.3150



73.8728, 0.3049, 0.3140

Triad

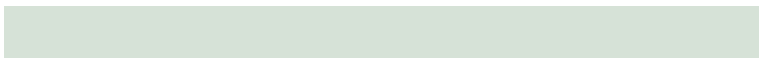
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8728, 0.2983, 0.3150



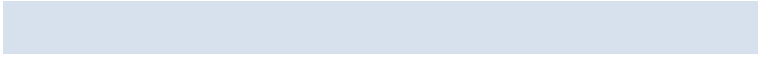
73.8728, 0.3283, 0.3306



73.8728, 0.3117, 0.3416

Complementary

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



73.8728, 0.2983, 0.3150



78.3611, 0.3275, 0.3426

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.



73.8728, 0.3205, 0.3445



73.8728, 0.2983, 0.3150



73.8728, 0.3302, 0.3379

Square

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



73.8728, 0.2983, 0.3150



73.8728, 0.3222, 0.3229



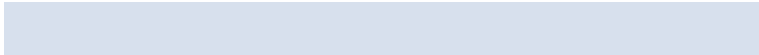
73.8728, 0.3273, 0.3431



73.8728, 0.3032, 0.3352

Rectangle

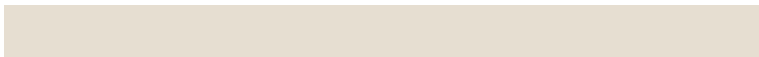
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.8728, 0.2983, 0.3150



73.8728, 0.3106, 0.3155



73.8728, 0.3273, 0.3431



73.8728, 0.3147, 0.3430

Sweetspot

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



73.8759, 0.2983, 0.3150



95.7366, 0.3081, 0.3246



80.5978, 0.3038, 0.3388



20.2522, 0.3069, 0.3234



0.0000, 0.0000, 0.0000



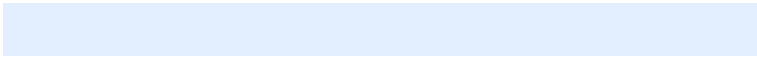
21.4041, 0.3127, 0.3290

Same Dimension

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



73.8759, 0.2983, 0.3150



84.9711, 0.2955, 0.3122



69.4158, 0.2995, 0.3052



15.5658, 0.2980, 0.3147



8.2912, 0.1694, 0.1298



0.8363, 0.1770, 0.1570

Inverse Universe

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



71.9675, 0.3226, 0.3195



82.3721, 0.3247, 0.3177



83.1591, 0.3253, 0.3520



15.1567, 0.3228, 0.3194



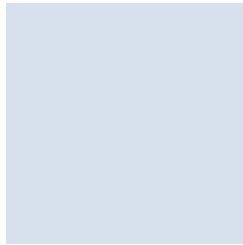
10.3298, 0.5330, 0.2710



0.8298, 0.4969, 0.2511

Previews

White Background



This preview shows how the Yxy color 73.8728, 0.2983, 0.3150 looks on a white background.

Color Contrast Check

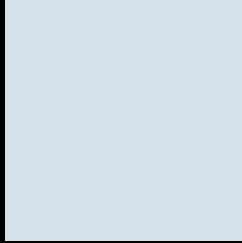
Large Text (above 18pt) WCAG AA × Fail

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 73.8728, 0.2983, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

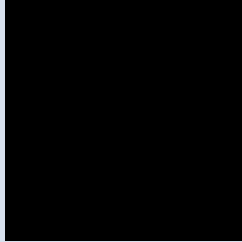
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

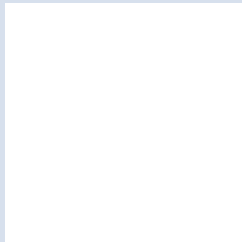
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.8728, 0.2983, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 73.8728, 0.2983, 0.3150.

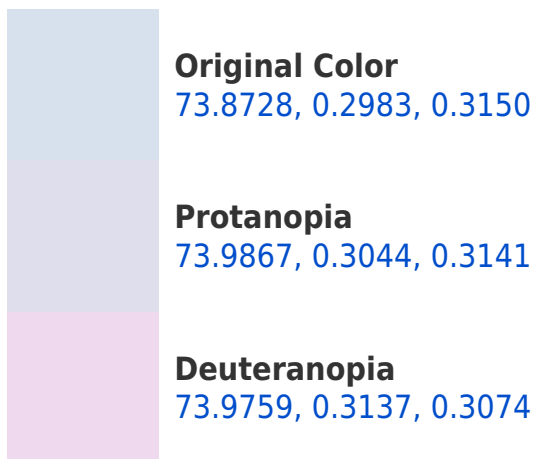


This preview shows how white text looks on a background with the Yxy color 73.8728, 0.2983, 0.3150.

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

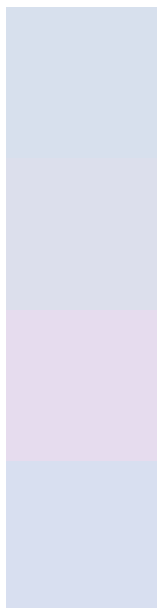




Tritanopia

73.7252, 0.2965, 0.3097

Trichromacy



Original Color

73.8728, 0.2983, 0.3150

Protanomaly

74.0471, 0.3023, 0.3151

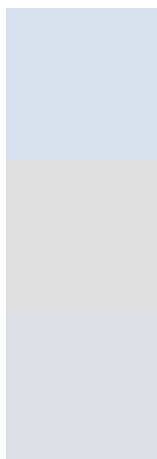
Deuteranomaly

74.1824, 0.3080, 0.3102

Tritanomaly

73.6656, 0.2971, 0.3108

Monochromacy



Original Color

73.8728, 0.2983, 0.3150

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.5924, 0.3074, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8728, 0.2983, 0.3150 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(215, 224, 237)` looks like.

```
.text, #text, p{  
    color:rgb(215, 224, 237)  
}
```

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(215, 224, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 224, 237) }
```

Border

The CSS property to change the border of an element to Yxy 73.8728, 0.2983, 0.3150 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(215, 224, 237) }
```

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

```
.border{ border-color:rgb(215, 224, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 224, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 224, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 224, 237);  
box-shadow:4px 4px 4px 4px rgb(215, 224,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8728, 0.2983, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 224, 237) }
```

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

```
.background{ background-color: rgb(215,  
224, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor