

Converting Colors

$Yxy(74.1636, 0.2943, 0.3182)$

Have a look what the booklet for
Yxy(74.1636, 0.2943, 0.3182)
contains.

Yxy(73.8587, 0.2943, 0.3181)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.8587, 0.2943, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	D0E2EC
RGB	208, 226, 236
RGB Percent	82%, 89%, 93%
CMY	0.1846, 0.1136, 0.0746
CMYK	0.12, 0.04, 0.00, 0.07
HSL	201°, 42%, 87%
HSV	201°, 12%, 93%
XYZ	68.3326, 73.8587, 89.9957
YIQ	221.7580, -13.9380, -0.7060

Conversions

Conversions Part 2

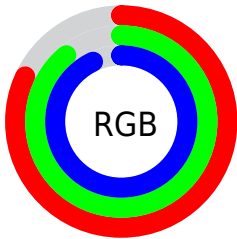
Format	Color
R _Y B	208, 219, 236
Decimal	13689580
CIE Lab	88.86, -4.04, -6.91
CIE LCh	89, 8.005, 239.653
Yxy	73.8587, 0.2943, 0.3181
Android (android.graphics.Color)	4291879660 (0xFFD0E2EC)
YUV	221.7580, 7.0213, -12.0658
Hunter-Lab	85.9411, -8.4697, -1.9285

Details

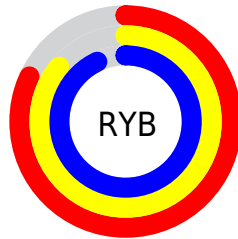
The Yxy color **73.8587, 0.2943, 0.3181** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.4665, 0.3328, 0.3397**, and the grayscale version is **72.8183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.1934, 0.2899, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **66.2475, 0.2787, 0.3079**, and if you desaturate by 10%, it is **82.2075, 0.3098, 0.3274**.

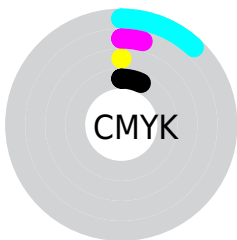
Distribution



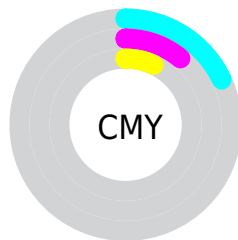
- Red (82%)
- Green (89%)
- Blue (93%)



- Red (82%)
- Yellow (86%)
- Blue (93%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8587, 0.2943, 0.3181 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 73.8587, 0.2943, 0.3181 by changing the saturation by 10% instead.

■ 73.8587, 0.2943,
0.3181

■ 73.8587, 0.2943,
0.3181

473.9856, 0.3028,
0.3232

■ 54.6784, 0.2924,
0.3169

124.6955, 0.2972,
0.3199

■ 39.1443, 0.2900,
0.3155

157.1208, 0.2984,
0.3206

■ 26.8720, 0.2870,
0.3136

194.7298, 0.2993,
0.3211

■ 17.4771, 0.2831,
0.3112

237.9070, 0.3002,
0.3217

■ 10.5752, 0.2779,
0.3079

287.0368, 0.3010,
0.3221

■ 5.7820, 0.2704,
0.3031

342.5036, 0.3016,

■ 2.7130, 0.2587,

0.3225

0.2954

404.6917, 0.3022,
0.3229

■ 0.9838, 0.2384,
0.2816

■ 0.0000, 0.0000,
0.0000

■ 73.8587, 0.2943,
0.3181

■ 73.8587, 0.2943,
0.3181

■ 66.2475, 0.2787,
0.3079

■ 82.2075, 0.3098,
0.3274

■ 59.3391, 0.2632,
0.2967

■ 91.2838, 0.3249,
0.3357

■ 53.1093, 0.2483,
0.2846

■ 96.4066, 0.3242,
0.3437

■ 47.5288, 0.2344,
0.2718

■ 98.8350, 0.3238,
0.3474

■ 42.5653, 0.2217,
0.2584

■ 38.1834, 0.2107,
0.2447

■ 34.3426, 0.2018,
0.2309

■ 30.9947, 0.1949,
0.2173

■ 28.5804, 0.1907,
0.2064

Harmonies

Analogous

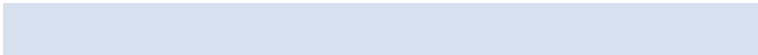
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8587, 0.2956, 0.3258



73.8587, 0.2943, 0.3181



73.8587, 0.2978, 0.3135

Triad

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



73.8587, 0.2943, 0.3181



73.8587, 0.3241, 0.3235



73.8587, 0.3199, 0.3456

Complementary

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



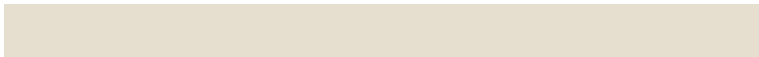
73.8587, 0.2943, 0.3181



72.4665, 0.3328, 0.3397

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.



73.8587, 0.3277, 0.3447



73.8587, 0.2943, 0.3181



73.8587, 0.3302, 0.3318

Square

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



73.8587, 0.2943, 0.3181



73.8587, 0.3150, 0.3166



73.8587, 0.3315, 0.3396



73.8587, 0.3103, 0.3419

Rectangle

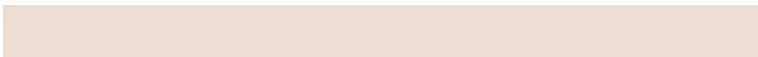
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



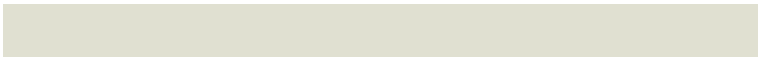
73.8587, 0.2943, 0.3181



73.8587, 0.3025, 0.3127



73.8587, 0.3315, 0.3396



73.8587, 0.3228, 0.3458

Sweetspot

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



73.8618, 0.2943, 0.3181



95.8280, 0.3065, 0.3255



78.4292, 0.3053, 0.3490



20.3467, 0.3054, 0.3248



0.0000, 0.0000, 0.0000



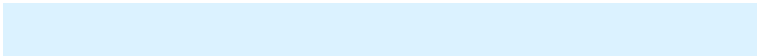
21.4041, 0.3127, 0.3290

Same Dimension

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



73.8618, 0.2943, 0.3181



86.0258, 0.2909, 0.3160



66.6134, 0.2940, 0.3026



16.1700, 0.2981, 0.3204



16.0098, 0.1913, 0.2086



1.4373, 0.1964, 0.2272

Inverse Universe

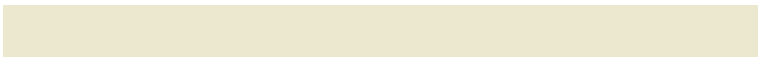
The Inverse Universe completely reimagines the original color for something new.



68.4019, 0.3211, 0.3099



78.5102, 0.3228, 0.3063



79.9664, 0.3310, 0.3541



15.2177, 0.3192, 0.3139



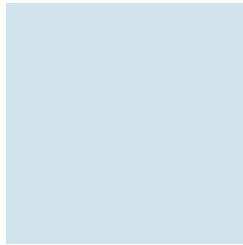
11.1090, 0.4357, 0.2174



0.8905, 0.4156, 0.2063

Previews

White Background



This preview shows how the Yxy color 73.8587, 0.2943, 0.3181 looks on a white background.

Color Contrast Check

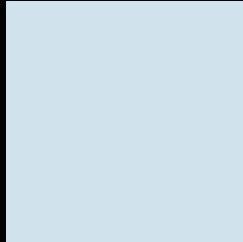
Large Text (above 18pt) WCAG AA × Fail

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 73.8587, 0.2943, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

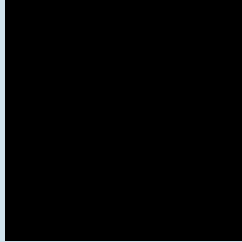
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

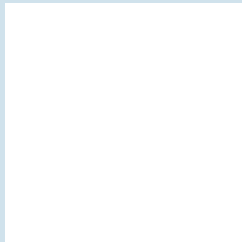
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.8587, 0.2943, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 73.8587, 0.2943, 0.3181.

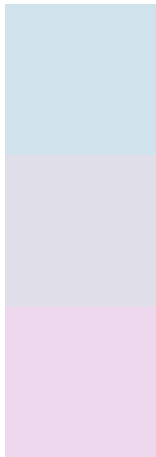


This preview shows how white text looks on a background with the Yxy color 73.8587, 0.2943, 0.3181.

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

73.8587, 0.2943, 0.3181

Protanopia

73.9730, 0.3070, 0.3173

Deuteranopia

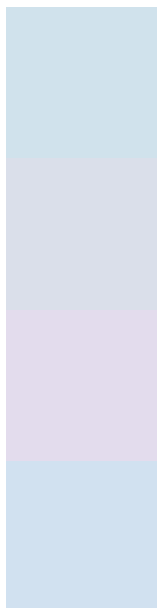
73.4619, 0.3138, 0.3063



Tritanopia

73.8768, 0.2908, 0.3095

Trichromacy



Original Color

73.8587, 0.2943, 0.3181

Protanomaly

73.6213, 0.3022, 0.3172

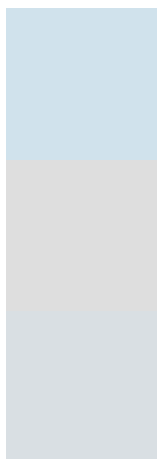
Deuteranomaly

73.6317, 0.3065, 0.3111

Tritanomaly

73.6970, 0.2926, 0.3127

Monochromacy



Original Color

73.8587, 0.2943, 0.3181

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.0731, 0.3060, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8587, 0.2943, 0.3181 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(208, 226, 236)` looks like.

```
.text, #text, p{  
    color:rgb(208, 226, 236)  
}
```

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(208, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 226, 236) }
```

Border

The CSS property to change the border of an element to Yxy 73.8587, 0.2943, 0.3181 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(208, 226, 236) }
```

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

```
.border{ border-color:rgb(208, 226, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 226, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 226, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 226, 236);  
box-shadow:4px 4px 4px 4px rgb(208, 226,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8587, 0.2943, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 226, 236) }
```

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

```
.background{ background-color: rgb(208,  
226, 236) }
```

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