

Converting Colors

$Yxy(73.7417, 0.2907, 0.2992)$

Have a look what the booklet for
Yxy(73.7417, 0.2907, 0.2992)
contains.

Yxy(73.7436, 0.2910, 0.2994)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.7436, 0.2910, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	D8DEFA
RGB	216, 222, 250
RGB Percent	85%, 87%, 98%
CMY	0.1533, 0.1293, 0.0197
CMYK	0.14, 0.11, 0.00, 0.02
HSL	229°, 77%, 91%
HSV	229°, 14%, 98%
XYZ	71.6746, 73.7436, 100.8864
YIQ	223.3980, -12.5640, 7.4360

Conversions

Conversions Part 2

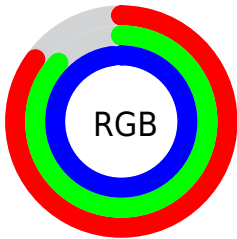
Format	Color
R _Y B	216, 221, 250
Decimal	14212858
CIE Lab	88.80, 3.38, -14.29
CIE LCh	89, 14.681, 283.297
Yxy	73.7436, 0.2910, 0.2994
Android (android.graphics.Color)	4292402938 (0xFFD8DEFA)
YUV	223.3980, 13.1148, -6.4880
Hunter-Lab	85.8741, -1.2950, -9.5430

Details

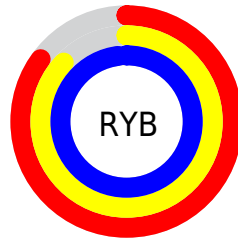
The Yxy color **73.7436, 0.2910, 0.2994** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.8986, 0.3340, 0.3570**, and the grayscale version is **73.9943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.1095, 0.2856, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **59.9831, 0.2733, 0.2744**, and if you desaturate by 10%, it is **89.4149, 0.3072, 0.3216**.

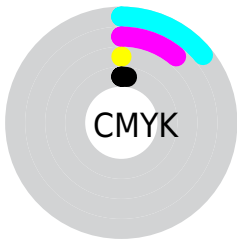
Distribution



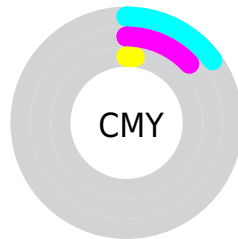
- Red (85%)
- Green (87%)
- Blue (98%)



- Red (85%)
- Yellow (87%)
- Blue (98%)



- Cyan (14%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7436, 0.2910, 0.2994 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 73.7436, 0.2910, 0.2994 by changing the saturation by 10% instead.

■ 73.7436, 0.2910,
0.2994

■ 73.7436, 0.2910,
0.2994

473.5880, 0.3010,
0.3129

■ 54.5842, 0.2887,
0.2964

124.5323, 0.2945,
0.3041

■ 39.0689, 0.2859,
0.2926

156.9304, 0.2958,
0.3059

■ 26.8134, 0.2824,
0.2879

194.5101, 0.2970,
0.3074

■ 17.4331, 0.2778,
0.2819

237.6559, 0.2980,
0.3088

■ 10.5438, 0.2715,
0.2737

286.7523, 0.2989,
0.3100

■ 5.7609, 0.2626,
0.2623

342.1834, 0.2997,

■ 2.7003, 0.2489,

0.3111

0.2449

404.3339, 0.3004,
0.3121

■ 0.9773, 0.2254,
0.2160

■ 0.0000, 0.0000,
0.0000

■ 73.7436, 0.2910,
0.2994

■ 73.7436, 0.2910,
0.2994

■ 59.9831, 0.2733,
0.2744

■ 89.4149, 0.3072,
0.3216

■ 48.0508, 0.2543,
0.2469

■ 99.6813, 0.3156,
0.3338

■ 37.8714, 0.2345,
0.2172

■ 29.3610, 0.2147,
0.1864

■ 22.4284, 0.1960,
0.1558

■ 16.9736, 0.1796,
0.1273

■ 12.8844, 0.1665,
0.1026

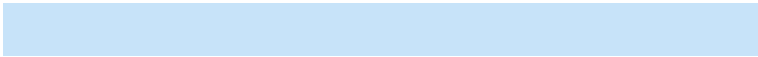
■ 10.0309, 0.1576,
0.0833

■ 8.7683, 0.1540,
0.0742

Harmonies

Analogous

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



73.7436, 0.2811, 0.3042



73.7436, 0.2910, 0.2994



73.7436, 0.3069, 0.3022

Triad

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



73.7436, 0.2910, 0.2994



73.7436, 0.3472, 0.3406



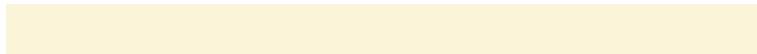
73.7436, 0.3003, 0.3474

Complementary

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



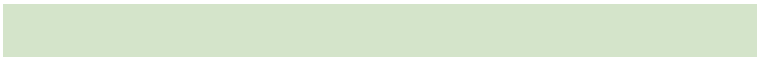
73.7436, 0.2910, 0.2994



89.8986, 0.3340, 0.3570

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.



73.7436, 0.3178, 0.3578



73.7436, 0.2910, 0.2994



73.7436, 0.3452, 0.3532

Square

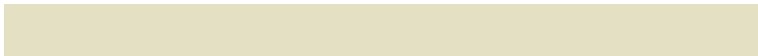
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.7436, 0.2910, 0.2994



73.7436, 0.3396, 0.3255



73.7436, 0.3343, 0.3597



73.7436, 0.2864, 0.3318

Rectangle

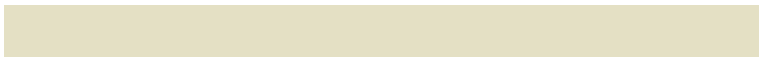
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.7436, 0.2910, 0.2994



73.7436, 0.3189, 0.3079



73.7436, 0.3343, 0.3597



73.7436, 0.3059, 0.3516

Sweetspot

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



73.7467, 0.2910, 0.2994



92.8925, 0.3066, 0.3208



89.4647, 0.2953, 0.3354



19.6047, 0.3055, 0.3192



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.



73.7467, 0.2910, 0.2994



73.5361, 0.2869, 0.2937



72.2528, 0.2981, 0.2935



17.1467, 0.2979, 0.3089



4.7978, 0.1545, 0.0763



0.5781, 0.1599, 0.0956

Inverse Universe

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



74.6657, 0.3335, 0.3228



74.7028, 0.3379, 0.3217



91.7013, 0.3260, 0.3636



17.2761, 0.3266, 0.3248



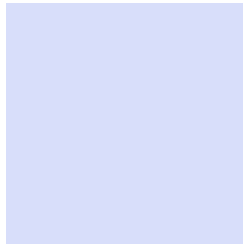
10.8952, 0.6130, 0.3150



1.0226, 0.5826, 0.2983

Previews

White Background



This preview shows how the Yxy color 73.7436, 0.2910, 0.2994 looks on a white background.

Color Contrast Check

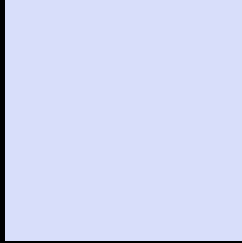
Large Text (above 18pt) WCAG AA × Fail

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 73.7436, 0.2910, 0.2994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

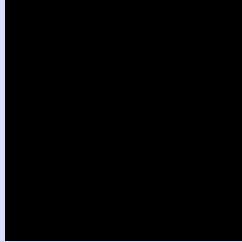
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7436, 0.2910, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 73.7436, 0.2910, 0.2994.

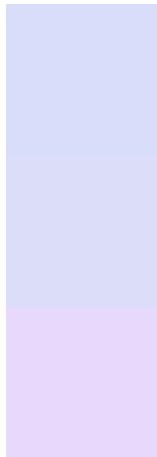


This preview shows how white text looks on a background with the Yxy color 73.7436, 0.2910, 0.2994.

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

73.7436, 0.2910, 0.2994

Protanopia

73.6125, 0.2936, 0.2995

Deuteranopia

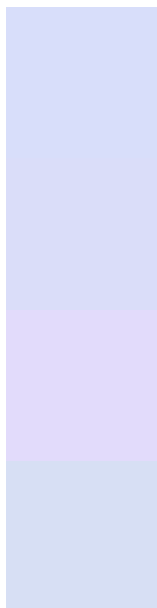
73.5797, 0.3004, 0.2940



Tritanopia

73.4224, 0.2952, 0.3096

Trichromacy



Original Color

73.7436, 0.2910, 0.2994

Protanomaly

73.4579, 0.2929, 0.2994

Deuteranomaly

73.7968, 0.2970, 0.2958

Tritanomaly

73.7541, 0.2940, 0.3066

Monochromacy



Original Color

73.7436, 0.2910, 0.2994

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.8742, 0.3042, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7436, 0.2910, 0.2994 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(216, 222, 250)` looks like.

```
.text, #text, p{  
    color:rgb(216, 222, 250)  
}
```

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(216, 222, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 222, 250) }
```

Border

The CSS property to change the border of an element to Yxy 73.7436, 0.2910, 0.2994 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(216, 222, 250) }
```

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

```
.border{ border-color:rgb(216, 222, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 222, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 222, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 222, 250); box-shadow:4px 4px 4px 4px rgb(216, 222, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7436, 0.2910, 0.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 222, 250) }
```

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

```
.background{ background-color: rgb(216,  
222, 250) }
```

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