

Converting Colors

$Yxy(77.4852, 0.2948, 0.3062)$

Have a look what the booklet for
Yxy(77.4852, 0.2948, 0.3062)
contains.

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Color

Yxy(77.6985, 0.2951, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	DDE4F9
RGB	221, 228, 249
RGB Percent	87%, 89%, 98%
CMY	0.1332, 0.1059, 0.0237
CMYK	0.11, 0.08, 0.00, 0.02
HSL	225°, 70%, 92%
HSV	225°, 11%, 98%
XYZ	74.6624, 77.6985, 100.6462
YIQ	228.3010, -10.9130, 5.0470

Conversions

Conversions Part 2

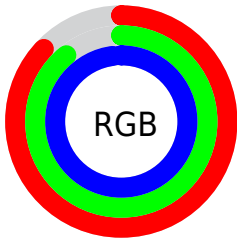
Format	Color
R _Y B	221, 227, 249
Decimal	14542073
CIE Lab	90.64, 1.68, -10.96
CIE LCh	91, 11.086, 278.712
Yxy	77.6985, 0.2951, 0.3071
Android (android.graphics.Color)	4292732153 (0xFFDDE4F9)
YUV	228.3010, 10.2046, -6.4030
Hunter-Lab	88.1468, -3.0630, -5.9948

Details

The Yxy color `77.6985, 0.2951, 0.3071` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88.8503, 0.3303, 0.3500`, and the grayscale version is `77.7485, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.8444, 0.2908, 0.3020` is the 20% darker color. If you saturate the color by 10%, you get `64.3484, 0.2780, 0.2850`, and if you desaturate by 10%, it is `92.7454, 0.3109, 0.3268`.

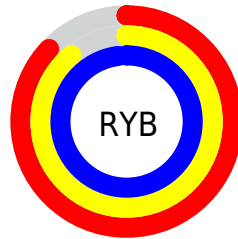
Distribution



Red (87%)

Green (89%)

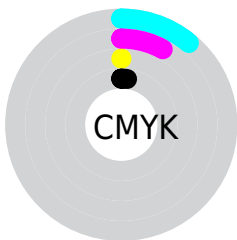
Blue (98%)



Red (87%)

Yellow (89%)

Blue (98%)

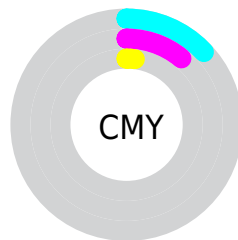


Cyan (11%)

Magenta (8%)

Yellow (0%)

Black (2%)



Cyan (13%)

Magenta (11%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6985, 0.2951, 0.3071 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 77.6985, 0.2951, 0.3071 by changing the saturation by 10% instead.

■ 77.6985, 0.2951,
0.3071

■ 77.6985, 0.2951,
0.3071

487.1423, 0.3031,
0.3171

■ 57.8263, 0.2933,
0.3049

130.1250, 0.2979,
0.3105

■ 41.6691, 0.2911,
0.3021

163.4482, 0.2990,
0.3119

■ 28.8422, 0.2883,
0.2987

202.0238, 0.2999,
0.3130

■ 18.9615, 0.2846,
0.2943

246.2362, 0.3007,
0.3140

■ 11.6425, 0.2797,
0.2883

296.4699, 0.3014,
0.3149

■ 6.5007, 0.2728,
0.2800

353.1092, 0.3021,

■ 3.1519, 0.2623,

0.3157

0.2673

416.5385, 0.3026,
0.3164

■ 1.2115, 0.2444,
0.2462

■ 0.0711, 0.1061,
0.0695

■ 77.6985, 0.2951,
0.3071

■ 77.6985, 0.2951,
0.3071

■ 64.3484, 0.2780,
0.2850

■ 92.7454, 0.3109,
0.3268

■ 52.6247, 0.2597,
0.2604

■ 99.6167, 0.3162,
0.3348

■ 42.4665, 0.2408,
0.2337

■ 33.8051, 0.2218,
0.2055

■ 26.5665, 0.2035,
0.1768

■ 20.6699, 0.1871,
0.1489

■ 16.0256, 0.1734,
0.1232

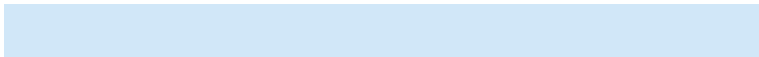
■ 12.5312, 0.1632,
0.1013

■ 10.2955, 0.1572,
0.0860

Harmonies

Analogous

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



77.6985, 0.2885, 0.3117



77.6985, 0.2951, 0.3071



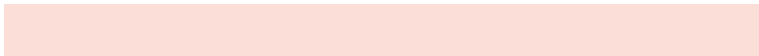
77.6985, 0.3065, 0.3083

Triad

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



77.6985, 0.2951, 0.3071



77.6985, 0.3378, 0.3361



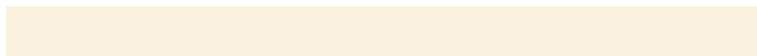
77.6985, 0.3054, 0.3440

Complementary

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



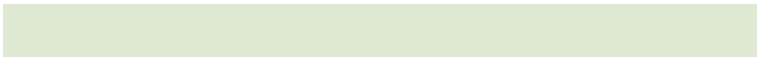
77.6985, 0.2951, 0.3071



88.8503, 0.3303, 0.3500

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.



77.6985, 0.3186, 0.3508



77.6985, 0.2951, 0.3071



77.6985, 0.3375, 0.3459

Square

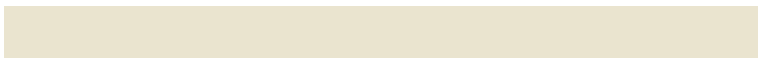
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6985, 0.2951, 0.3071



77.6985, 0.3313, 0.3247



77.6985, 0.3304, 0.3514



77.6985, 0.2944, 0.3330

Rectangle

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



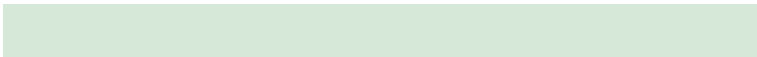
77.6985, 0.2951, 0.3071



77.6985, 0.3153, 0.3120



77.6985, 0.3304, 0.3514



77.6985, 0.3098, 0.3469

Sweetspot

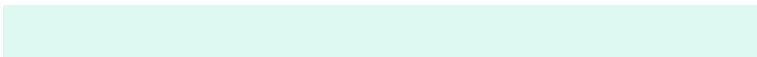
The Sweet Spot groups the original color and five complimentary colors.



77.7018, 0.2951, 0.3071



94.9694, 0.3082, 0.3234



89.5100, 0.2994, 0.3361



20.0456, 0.3069, 0.3219



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.



77.7018, 0.2951, 0.3071



79.3876, 0.2921, 0.3033



75.0639, 0.2997, 0.3001



17.3466, 0.2979, 0.3107



5.7012, 0.1579, 0.0885



0.6885, 0.1640, 0.1105

Inverse Universe

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



77.4638, 0.3280, 0.3220



79.1429, 0.3309, 0.3208



91.8182, 0.3249, 0.3571



17.2963, 0.3255, 0.3231



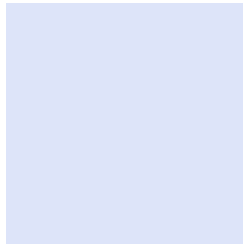
10.9864, 0.5935, 0.3043



1.0337, 0.5604, 0.2861

Previews

White Background



This preview shows how the Yxy color 77.6985, 0.2951, 0.3071 looks on a white background.

Color Contrast Check

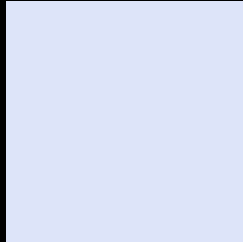
Large Text (above 18pt) WCAG AA × Fail

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 77.6985, 0.2951, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

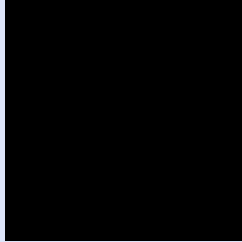
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

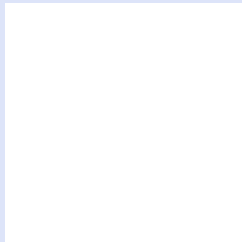
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6985, 0.2951, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 77.6985, 0.2951, 0.3071.



This preview shows how white text looks on a background with the Yxy color 77.6985, 0.2951, 0.3071.

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

77.6985, 0.2951, 0.3071

Protanopia

77.8842, 0.2989, 0.3072

Deuteranopia

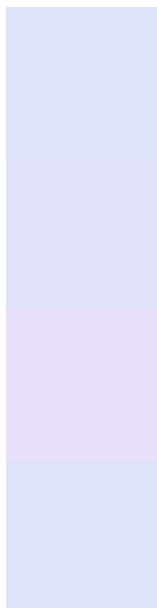
77.6699, 0.3071, 0.3008



Tritanopia

77.5744, 0.2962, 0.3091

Trichromacy



Original Color

77.6985, 0.2951, 0.3071

Protanomaly

77.5628, 0.2976, 0.3071

Deuteranomaly

77.5371, 0.3024, 0.3024

Tritanomaly

77.6363, 0.2956, 0.3081

Monochromacy



Original Color

77.6985, 0.2951, 0.3071

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.5505, 0.3056, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6985, 0.2951, 0.3071 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(221, 228, 249)` looks like.

```
.text, #text, p{  
    color:rgb(221, 228, 249)  
}
```

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(221, 228, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 228, 249) }
```

Border

The CSS property to change the border of an element to Yxy 77.6985, 0.2951, 0.3071 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(221, 228, 249) }
```

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

```
.border{ border-color:rgb(221, 228, 249) }
```

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

Here you see how a box with a 4 pixel rgb(221, 228, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 228, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 228, 249);  
box-shadow:4px 4px 4px 4px rgb(221, 228,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6985, 0.2951, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 228, 249) }
```

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

```
.background{ background-color: rgb(221,  
228, 249) }
```

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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