

Converting Colors

$Yxy(78.3904, 0.2871, 0.2902)$

Have a look what the booklet for
Yxy(78.3904, 0.2871, 0.2902)
contains.

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Color

Yxy(77.8461, 0.2928, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	DFE3FF
RGB	223, 227, 255
RGB Percent	87%, 89%, 100%
CMY	0.1254, 0.1098, 0.0001
CMYK	0.13, 0.11, 0.00, 0.00
HSL	233°, 100%, 94%
HSV	233°, 13%, 100%
XYZ	75.9525, 77.8461, 105.6020
YIQ	228.9960, -11.3720, 7.8600

Conversions

Conversions Part 2

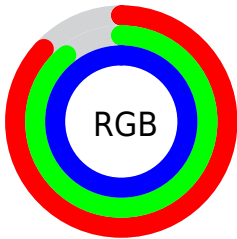
Format	Color
R_{YB}	223, 227, 255
Decimal	14672895
CIE _{Lab}	90.71, 4.03, -13.99
CIE _{LCh}	91, 14.557, 286.073
Yxy	77.8461, 0.2928, 0.3001
Android (android.graphics.Color)	4292862975 (0xFFDFE3FF)
YUV	228.9960, 12.8200, -5.2585
Hunter-Lab	88.2304, -0.7429, -9.2022

Details

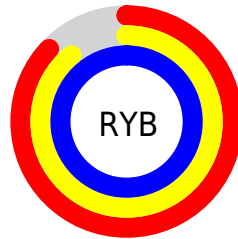
The Yxy color **77.8461, 0.2928, 0.3001** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.5755, 0.3320, 0.3563**, and the grayscale version is **78.2656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9071, 0.2887, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **62.6673, 0.2750, 0.2737**, and if you desaturate by 10%, it is **95.2249, 0.3089, 0.3235**.

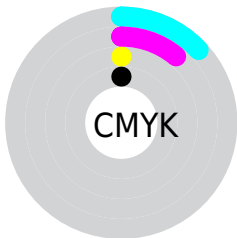
Distribution



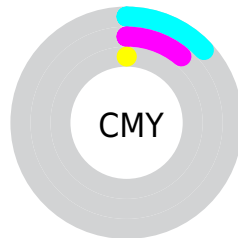
- Red (87%)
- Green (89%)
- Blue (100%)



- Red (87%)
- Yellow (89%)
- Blue (100%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8461, 0.2928, 0.3001 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 77.8461, 0.2928, 0.3001 by changing the saturation by 10% instead.

■ 77.8461, 0.2928,
0.3001

■ 77.8461, 0.2928,
0.3001

487.6440, 0.3019,
0.3132

■ 57.9476, 0.2907,
0.2972

130.3331, 0.2959,
0.3046

■ 41.7665, 0.2882,
0.2936

163.6905, 0.2972,
0.3063

■ 28.9185, 0.2851,
0.2892

202.3028, 0.2982,
0.3078

■ 19.0192, 0.2809,
0.2835

246.5546, 0.2992,
0.3092

■ 11.6841, 0.2754,
0.2759

296.8302, 0.3000,
0.3103

■ 6.5290, 0.2676,
0.2653

353.5140, 0.3007,

■ 3.1693, 0.2558,

0.3114

0.2496

416.9905, 0.3013,
0.3123

■ 1.2208, 0.2359,
0.2239

■ 0.0786, 0.1312,
0.0596

■ 77.8461, 0.2928,
0.3001

■ 77.8461, 0.2928,
0.3001

■ 62.6673, 0.2750,
0.2737

■ 95.2249, 0.3089,
0.3235

■ 49.5912, 0.2557,
0.2444

99.9979, 0.3127,
0.3290

■ 38.5274, 0.2354,
0.2130

■ 29.3754, 0.2149,
0.1805

■ 22.0257, 0.1955,
0.1485

■ 16.3578, 0.1784,
0.1191

■ 12.2360, 0.1649,
0.0946

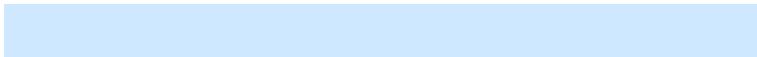
■ 9.5027, 0.1560,
0.0765

■ 8.2349, 0.1521,
0.0675

Harmonies

Analogous

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



77.8461, 0.2825, 0.3041



77.8461, 0.2928, 0.3001



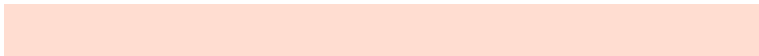
77.8461, 0.3086, 0.3035

Triad

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



77.8461, 0.2928, 0.3001



77.8461, 0.3465, 0.3416



77.8461, 0.2991, 0.3456

Complementary

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



77.8461, 0.2928, 0.3001



95.5755, 0.3320, 0.3563

Split Complementary

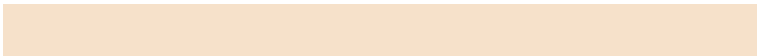
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8461, 0.3161, 0.3564



77.8461, 0.2928, 0.3001



77.8461, 0.3437, 0.3535

Square

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



77.8461, 0.2928, 0.3001



77.8461, 0.3400, 0.3269



77.8461, 0.3324, 0.3591



77.8461, 0.2861, 0.3302

Rectangle

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



77.8461, 0.2928, 0.3001



77.8461, 0.3203, 0.3094



77.8461, 0.3324, 0.3591



77.8461, 0.3046, 0.3499

Sweetspot

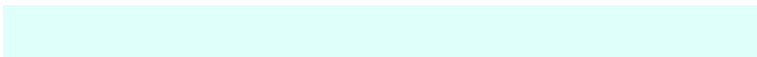
The Sweet Spot groups the original color and five complimentary colors.



77.8493, 0.2928, 0.3001



92.5496, 0.3067, 0.3203



94.1389, 0.2958, 0.3332



19.5182, 0.3055, 0.3186



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.



77.8493, 0.2928, 0.3001



73.9138, 0.2885, 0.2938



77.6273, 0.3004, 0.2967



17.7415, 0.2979, 0.3075



4.4168, 0.1525, 0.0691



0.5394, 0.1567, 0.0842

Inverse Universe

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



79.5914, 0.3329, 0.3251



76.0044, 0.3375, 0.3243



95.9292, 0.3239, 0.3608



18.0238, 0.3275, 0.3261



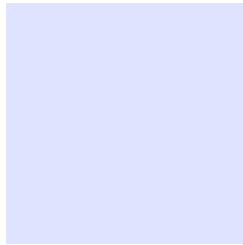
11.1738, 0.6248, 0.3216



1.0990, 0.6003, 0.3081

Previews

White Background



This preview shows how the Yxy color 77.8461, 0.2928, 0.3001 looks on a white background.

Color Contrast Check

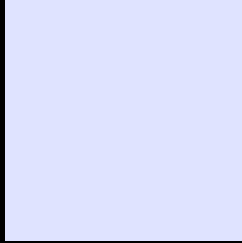
Large Text (above 18pt) WCAG AA × Fail

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 77.8461, 0.2928, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

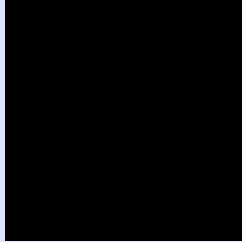
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8461, 0.2928, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 77.8461, 0.2928, 0.3001.



This preview shows how white text looks on a background with the Yxy color 77.8461, 0.2928, 0.3001.

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

77.8461, 0.2928, 0.3001

Protanopia

78.0055, 0.2934, 0.3001

Deuteranopia

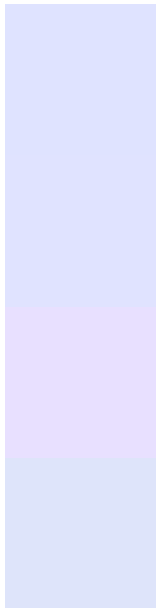
77.4671, 0.3019, 0.2957



Tritanopia

77.7318, 0.2969, 0.3091

Trichromacy



Original Color

77.8461, 0.2928, 0.3001

Protanomaly

78.0055, 0.2934, 0.3001

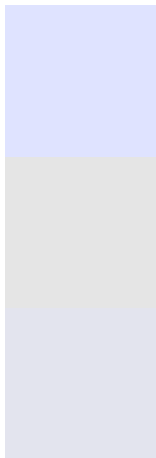
Deuteranomaly

77.6871, 0.2986, 0.2975

Tritanomaly

77.9185, 0.2951, 0.3061

Monochromacy



Original Color

77.8461, 0.2928, 0.3001

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.9907, 0.3057, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8461, 0.2928, 0.3001 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(223, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 227, 255)  
}
```

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(223, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.8461, 0.2928, 0.3001 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(223, 227, 255) }
```

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

```
.border{ border-color:rgb(223, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8461, 0.2928, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 227, 255) }
```

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

```
.background{ background-color: rgb(223,  
227, 255) }
```

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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