

Converting Colors

Yxy(81.5380, 0.2599, 0.2470)

Have a look what the booklet for
Yxy(81.5380, 0.2599, 0.2470)
contains.

Yxy(77.3738, 0.2908, 0.2999)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.3738, 0.2908, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	DCE3FF
RGB	220, 227, 255
RGB Percent	86%, 89%, 100%
CMY	0.1374, 0.1097, 0.0000
CMYK	0.14, 0.11, 0.00, 0.00
HSL	228°, 100%, 93%
HSV	228°, 14%, 100%
XYZ	75.0260, 77.3738, 105.5989
YIQ	228.0990, -13.1600, 7.2240

Conversions

Conversions Part 2

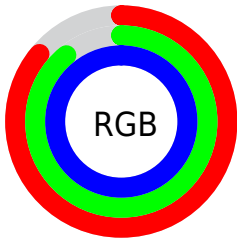
Format	Color
R _Y B	220, 226, 255
Decimal	14476287
CIE Lab	90.49, 3.07, -14.36
CIE LCh	90, 14.683, 282.061
Yxy	77.3738, 0.2908, 0.2999
Android (android.graphics.Color)	4292666367 (0xFFDCE3FF)
YUV	228.0990, 13.2622, -7.1028
Hunter-Lab	87.9624, -1.6856, -9.6040

Details

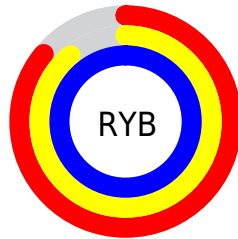
The Yxy color $77.3738, 0.2908, 0.2999$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.5243, 0.3343, 0.3565$, and the grayscale version is $77.5645, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.5816, 0.2862, 0.2941$ is the 20% darker color. If you saturate the color by 10%, you get $63.2073, 0.2731, 0.2756$, and if you desaturate by 10%, it is $93.4692, 0.3070, 0.3216$.

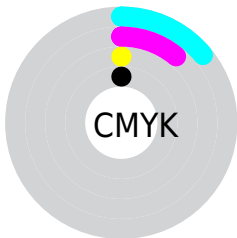
Distribution



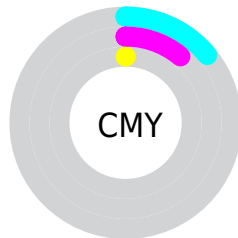
- Red (86%)
- Green (89%)
- Blue (100%)



- Red (86%)
- Yellow (89%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3738, 0.2908, 0.2999 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 77.3738, 0.2908, 0.2999 by changing the saturation by 10% instead.

■ 77.3738, 0.2908,
0.2999

■ 77.3738, 0.2908,
0.2999

486.0376, 0.3008,
0.3131

■ 57.5597, 0.2885,
0.2970

129.6670, 0.2943,
0.3044

■ 41.4548, 0.2858,
0.2934

162.9149, 0.2956,
0.3062

■ 28.6746, 0.2823,
0.2889

201.4096, 0.2968,
0.3077

■ 18.8348, 0.2778,
0.2831

245.5353, 0.2978,
0.3091

■ 11.5510, 0.2717,
0.2754

295.6766, 0.2987,
0.3102

■ 6.4387, 0.2632,
0.2646

352.2178, 0.2995,

■ 3.1136, 0.2503,

0.3113

0.2485

415.5433, 0.3002,
0.3122

■ 1.1913, 0.2286,
0.2222

■ 0.0546, 0.1016,
0.0438

■ 77.3738, 0.2908,
0.2999

■ 77.3738, 0.2908,
0.2999

■ 63.2073, 0.2731,
0.2756

■ 93.4692, 0.3070,
0.3216

■ 50.8897, 0.2543,
0.2487

100.0000, 0.3127,
0.3290

■ 40.3455, 0.2347,
0.2198

■ 31.4911, 0.2152,
0.1897

■ 24.2359, 0.1967,
0.1596

■ 18.4808, 0.1805,
0.1313

■ 14.1145, 0.1675,
0.1066

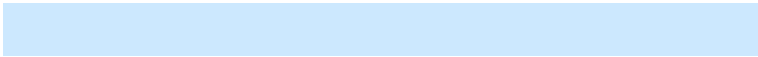
■ 11.0084, 0.1586,
0.0868

■ 9.6193, 0.1548,
0.0774

Harmonies

Analogous

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



77.3738, 0.2813, 0.3049



77.3738, 0.2908, 0.2999



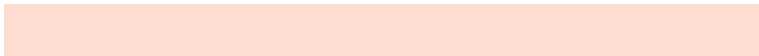
77.3738, 0.3062, 0.3024

Triad

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



77.3738, 0.2908, 0.2999



77.3738, 0.3465, 0.3398



77.3738, 0.3012, 0.3476

Complementary

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



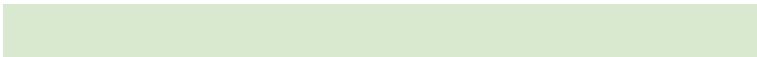
77.3738, 0.2908, 0.2999



93.5243, 0.3343, 0.3565

Split Complementary

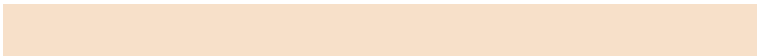
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3738, 0.3185, 0.3575



77.3738, 0.2908, 0.2999



77.3738, 0.3450, 0.3524

Square

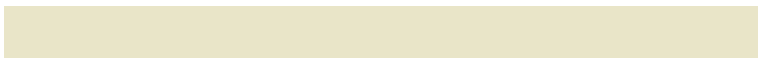
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3738, 0.2908, 0.2999



77.3738, 0.3387, 0.3249



77.3738, 0.3346, 0.3591



77.3738, 0.2872, 0.3324

Rectangle

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



77.3738, 0.2908, 0.2999



77.3738, 0.3180, 0.3078



77.3738, 0.3346, 0.3591



77.3738, 0.3068, 0.3517

Sweetspot

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



77.3761, 0.2908, 0.2999



93.0290, 0.3066, 0.3211



93.4697, 0.2958, 0.3367



19.6391, 0.3055, 0.3195



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.



77.3761, 0.2908, 0.2999



74.0109, 0.2869, 0.2947



75.1887, 0.2972, 0.2931



17.9701, 0.2979, 0.3094



5.1923, 0.1555, 0.0796



0.6511, 0.1608, 0.0987

Inverse Universe

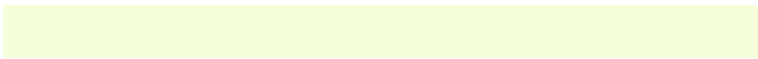
The Inverse Universe completely reimagines the original color for something new.



77.9714, 0.3332, 0.3220



74.7508, 0.3372, 0.3208



96.1104, 0.3269, 0.3639



18.0469, 0.3262, 0.3242



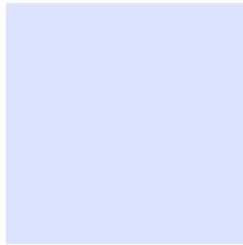
11.2521, 0.6076, 0.3121



1.1103, 0.5778, 0.2957

Previews

White Background



This preview shows how the Yxy color 77.3738, 0.2908, 0.2999 looks on a white background.

Color Contrast Check

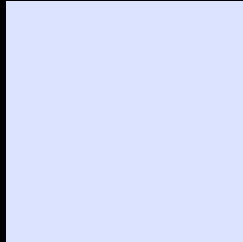
Large Text (above 18pt) WCAG AA × Fail

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 77.3738, 0.2908, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

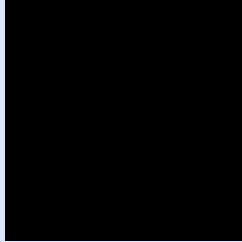
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.3738, 0.2908, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 77.3738, 0.2908, 0.2999.

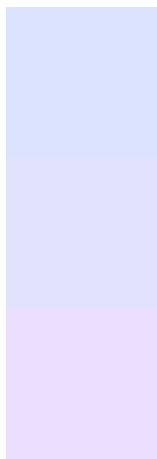


This preview shows how white text looks on a background with the Yxy color 77.3738, 0.2908, 0.2999.

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

77.3738, 0.2908, 0.2999

Protanopia

77.3958, 0.2940, 0.3001

Deuteranopia

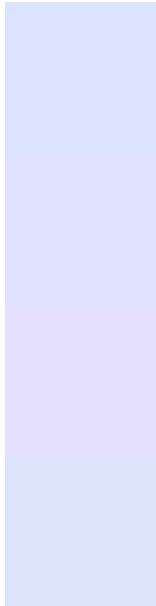
77.2954, 0.3013, 0.2957



Tritanopia

77.1076, 0.2943, 0.3090

Trichromacy



Original Color

77.3738, 0.2908, 0.2999

Protanomaly

77.2364, 0.2933, 0.3000

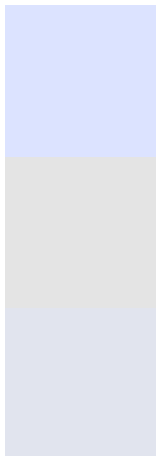
Deuteranomaly

77.3543, 0.2973, 0.2973

Tritanomaly

77.4490, 0.2932, 0.3060

Monochromacy



Original Color

77.3738, 0.2908, 0.2999

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6674, 0.3044, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3738, 0.2908, 0.2999 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(220, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.3738, 0.2908, 0.2999 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(220, 227, 255) }
```

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

```
.border{ border-color:rgb(220, 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(220, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 227,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.3738, 0.2908, 0.2999$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 227, 255) }
```

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

```
.background{ background-color: rgb(220,  
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](#).

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