

Converting Colors

$Yxy(78.3458, 0.2807, 0.2844)$

Have a look what the booklet for
Yxy(78.3458, 0.2807, 0.2844)
contains.

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Color

Yxy(77.0636, 0.2896, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	DAE3FF
RGB	218, 227, 255
RGB Percent	85%, 89%, 100%
CMY	0.1449, 0.1098, 0.0001
CMYK	0.14, 0.11, 0.00, 0.00
HSL	225°, 100%, 93%
HSV	225°, 14%, 100%
XYZ	74.4417, 77.0636, 105.5447
YIQ	227.5010, -14.3520, 6.8000

Conversions

Conversions Part 2

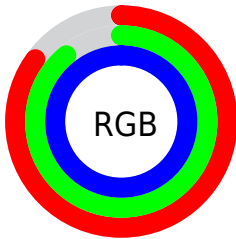
Format	Color
R _Y B	218, 225, 255
Decimal	14345215
CIE Lab	90.35, 2.48, -14.57
CIE LCh	90, 14.781, 279.658
Yxy	77.0636, 0.2896, 0.2998
Android (android.graphics.Color)	4292535295 (0xFFDAE3FF)
YUV	227.5010, 13.5570, -8.3324
Hunter-Lab	87.7859, -2.2588, -9.8341

Details

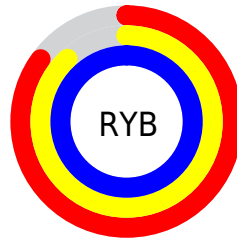
The Yxy color **77.0636, 0.2896, 0.2998** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.2610, 0.3357, 0.3566**, and the grayscale version is **77.1137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3688, 0.2846, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **63.4471, 0.2720, 0.2766**, and if you desaturate by 10%, it is **92.4779, 0.3059, 0.3205**.

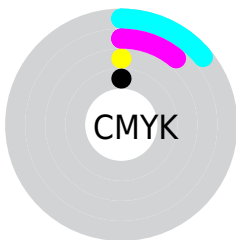
Distribution



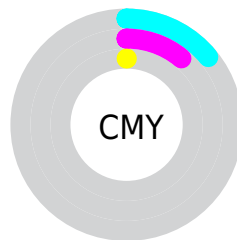
- Red (85%)
- Green (89%)
- Blue (100%)



- Red (85%)
- Yellow (88%)
- 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 77.0636, 0.2896, 0.2998 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 77.0636, 0.2896, 0.2998 by changing the saturation by 10% instead.

■ 77.0636, 0.2896,
0.2998

■ 77.0636, 0.2896,
0.2998

484.9808, 0.3002,
0.3130

■ 57.3051, 0.2872,
0.2968

129.2293, 0.2932,
0.3043

■ 41.2502, 0.2843,
0.2932

162.4052, 0.2947,
0.3061

■ 28.5147, 0.2806,
0.2887

200.8224, 0.2959,
0.3077

■ 18.7140, 0.2759,
0.2828

244.8652, 0.2970,
0.3090

■ 11.4638, 0.2695,
0.2750

294.9180, 0.2979,
0.3102

■ 6.3797, 0.2605,
0.2641

351.3653, 0.2987,

■ 3.0773, 0.2469,

0.3113

0.2478

414.5915, 0.2995,
0.3122

■ 1.1722, 0.2242,
0.2211

■ 0.0388, 0.0812,
0.0324

■ 77.0636, 0.2896,
0.2998

■ 77.0636, 0.2896,
0.2998

■ 63.4471, 0.2720,
0.2766

■ 92.4779, 0.3059,
0.3205

■ 51.5523, 0.2534,
0.2510

99.9990, 0.3127,
0.3290

■ 41.3115, 0.2343,
0.2234

■ 32.6488, 0.2153,
0.1946

■ 25.4820, 0.1974,
0.1657

■ 19.7211, 0.1817,
0.1382

■ 15.2650, 0.1691,
0.1136

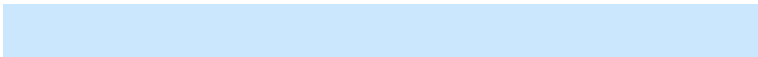
■ 11.9969, 0.1602,
0.0934

■ 10.6337, 0.1568,
0.0844

Harmonies

Analogous

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



77.0636, 0.2807, 0.3055



77.0636, 0.2896, 0.2998



77.0636, 0.3048, 0.3017

Triad

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



77.0636, 0.2896, 0.2998



77.0636, 0.3465, 0.3387



77.0636, 0.3024, 0.3488

Complementary

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



77.0636, 0.2896, 0.2998



92.2610, 0.3357, 0.3566

Split Complementary

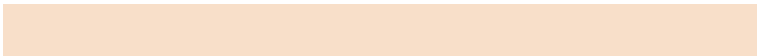
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0636, 0.3199, 0.3582



77.0636, 0.2896, 0.2998



77.0636, 0.3457, 0.3518

Square

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



77.0636, 0.2896, 0.2998



77.0636, 0.3379, 0.3237



77.0636, 0.3358, 0.3591



77.0636, 0.2879, 0.3337

Rectangle

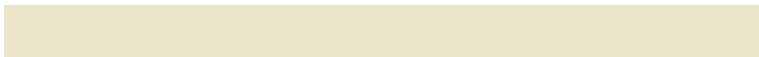
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0636, 0.2896, 0.2998



77.0636, 0.3166, 0.3068



77.0636, 0.3358, 0.3591



77.0636, 0.3081, 0.3528

Sweetspot

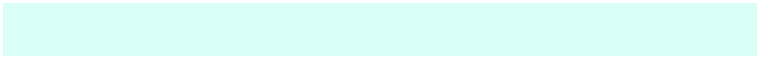
The Sweet Spot groups the original color and five complimentary colors.



77.0668, 0.2896, 0.2998



93.2826, 0.3066, 0.3215



93.0624, 0.2956, 0.3384



19.7031, 0.3055, 0.3200



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.



77.0668, 0.2896, 0.2998



73.4835, 0.2853, 0.2942



73.7670, 0.2954, 0.2909



18.0916, 0.2979, 0.3104



5.7495, 0.1575, 0.0869



0.7213, 0.1632, 0.1075

Inverse Universe

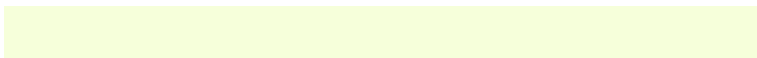
The Inverse Universe completely reimagines the original color for something new.



76.9733, 0.3335, 0.3201



73.4538, 0.3378, 0.3185



96.1229, 0.3285, 0.3657



18.0592, 0.3256, 0.3233



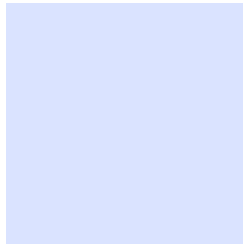
11.3084, 0.5960, 0.3057



1.1174, 0.5647, 0.2885

Previews

White Background



This preview shows how the Yxy color 77.0636, 0.2896, 0.2998 looks on a white background.

Color Contrast Check

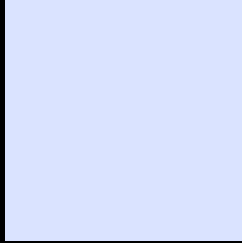
Large Text (above 18pt) WCAG AA × Fail

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 77.0636, 0.2896, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

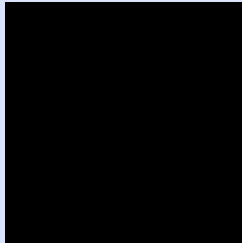
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.0636, 0.2896, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 77.0636, 0.2896, 0.2998.



This preview shows how white text looks on a background with the Yxy color 77.0636, 0.2896, 0.2998.

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

77.0636, 0.2896, 0.2998

Protanopia

77.2364, 0.2933, 0.3000

Deuteranopia

76.5951, 0.3006, 0.2946



Tritanopia

76.9539, 0.2937, 0.3089

Trichromacy



Original Color

77.0636, 0.2896, 0.2998

Protanomaly

76.9206, 0.2920, 0.2999

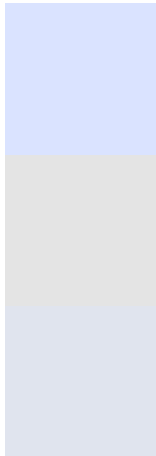
Deuteranomaly

76.6534, 0.2966, 0.2962

Tritanomaly

77.1406, 0.2919, 0.3059

Monochromacy



Original Color

77.0636, 0.2896, 0.2998

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.5071, 0.3037, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0636, 0.2896, 0.2998 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(218, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.0636, 0.2896, 0.2998 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(218, 227, 255) }
```

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

```
.border{ border-color:rgb(218, 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(218, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0636, 0.2896, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 227, 255) }
```

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

```
.background{ background-color: rgb(218,  
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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