

Converting Colors

$Y_{xy}(77.4406, 0.2958, 0.2981)$

Have a look what the booklet for
Yxy(77.4406, 0.2958, 0.2981)
contains.

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Color

Yxy(77.5644, 0.2960, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	E4E1FF
RGB	228, 225, 255
RGB Percent	89%, 88%, 100%
CMY	0.1059, 0.1176, 0.0001
CMYK	0.11, 0.12, 0.00, 0.00
HSL	246°, 100%, 94%
HSV	246°, 12%, 100%
XYZ	76.9664, 77.5644, 105.4907
YIQ	229.3170, -7.8420, 9.9660

Conversions

Conversions Part 2

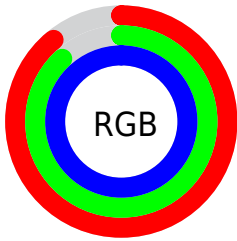
Format	Color
R _Y B	228, 225, 255
Decimal	15000063
CIE Lab	90.58, 6.64, -14.14
CIE LCh	91, 15.623, 295.157
Yxy	77.5644, 0.2960, 0.2983
Android (android.graphics.Color)	4293190143 (0xFFE4E1FF)
YUV	229.3170, 12.6617, -1.1550
Hunter-Lab	88.0707, 1.8704, -9.3679

Details

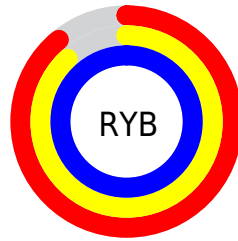
The Yxy color `77.5644, 0.2960, 0.2983` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `97.6224, 0.3284, 0.3583`, and the grayscale version is `78.5109, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.5973, 0.2919, 0.2920` is the 20% darker color. If you saturate the color by 10%, you get `61.2885, 0.2796, 0.2687`, and if you desaturate by 10%, it is `96.4030, 0.3104, 0.3247`.

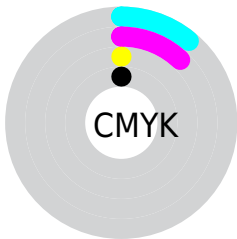
Distribution



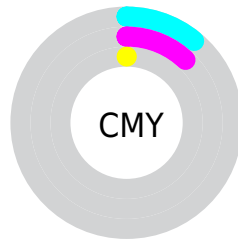
- Red (89%)
- Green (88%)
- Blue (100%)



- Red (89%)
- Yellow (88%)
- Blue (100%)



- Cyan (11%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5644, 0.2960, 0.2983 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 77.5644, 0.2960, 0.2983 by changing the saturation by 10% instead.

77.5644, 0.2960,
0.2983

77.5644, 0.2960,
0.2983

486.6862, 0.3037,
0.3121

57.7162, 0.2943,
0.2952

129.9359, 0.2987,
0.3030

41.5805, 0.2921,
0.2915

163.2280, 0.2997,
0.3049

28.7730, 0.2894,
0.2868

201.7701, 0.3006,
0.3065

18.9092, 0.2859,
0.2808

245.9468, 0.3014,
0.3079

11.6047, 0.2811,
0.2729

296.1424, 0.3021,
0.3091

6.4751, 0.2744,
0.2618

352.7412, 0.3027,

3.1361, 0.2641,

0.3102

0.2455

416.1277, 0.3032,
0.3112

■ 1.2032, 0.2465,
0.2190

■ 0.0643, 0.1654,
0.0476

■ 77.5644, 0.2960,
0.2983

■ 77.5644, 0.2960,
0.2983

■ 61.2885, 0.2796,
0.2687

■ 96.4030, 0.3104,
0.3247

■ 47.4553, 0.2613,
0.2362

99.9977, 0.3127,
0.3290

■ 35.9495, 0.2415,
0.2017

■ 26.6428, 0.2210,
0.1667

■ 19.3944, 0.2009,
0.1334

■ 14.0471, 0.1828,
0.1043

■ 10.4210, 0.1680,
0.0819

■ 8.3009, 0.1577,
0.0676

■ 7.4310, 0.1526,
0.0615

Harmonies

Analogous

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



77.5644, 0.2828, 0.3001



77.5644, 0.2960, 0.2983



77.5644, 0.3140, 0.3042

Triad

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



77.5644, 0.2960, 0.2983



77.5644, 0.3492, 0.3468



77.5644, 0.2933, 0.3422

Complementary

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



77.5644, 0.2960, 0.2983



97.6224, 0.3284, 0.3583

Split Complementary

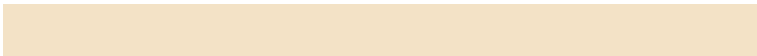
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5644, 0.3106, 0.3558



77.5644, 0.2960, 0.2983



77.5644, 0.3432, 0.3580

Square

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



77.5644, 0.2960, 0.2983



77.5644, 0.3452, 0.3316



77.5644, 0.3289, 0.3615



77.5644, 0.2813, 0.3250

Rectangle

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



77.5644, 0.2960, 0.2983



77.5644, 0.3264, 0.3116



77.5644, 0.3289, 0.3615



77.5644, 0.2986, 0.3473

Sweetspot

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



77.5677, 0.2960, 0.2983



91.9643, 0.3073, 0.3191



92.8273, 0.2946, 0.3259



19.3708, 0.3063, 0.3171



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.



77.5677, 0.2960, 0.2983



73.7076, 0.2925, 0.2919



80.1239, 0.3060, 0.2992



17.4647, 0.2994, 0.3045



3.9125, 0.1533, 0.0618



0.4085, 0.1598, 0.0654

Inverse Universe

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



82.1341, 0.3160, 0.3028



79.0717, 0.3167, 0.2977



94.9364, 0.3188, 0.3592



18.2672, 0.3153, 0.3079



14.0914, 0.3479, 0.1690



1.3807, 0.3444, 0.1671

Previews

White Background



This preview shows how the Yxy color 77.5644, 0.2960, 0.2983 looks on a white background.

Color Contrast Check

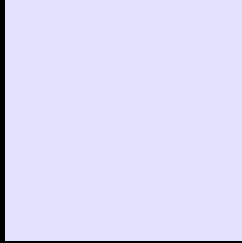
Large Text (above 18pt) WCAG AA × Fail

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 77.5644, 0.2960, 0.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

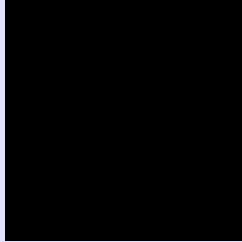
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5644, 0.2960, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 77.5644, 0.2960, 0.2983.



This preview shows how white text looks on a background with the Yxy color 77.5644, 0.2960, 0.2983.

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

77.5644, 0.2960, 0.2983

Protanopia

77.4600, 0.2934, 0.2991

Deuteranopia

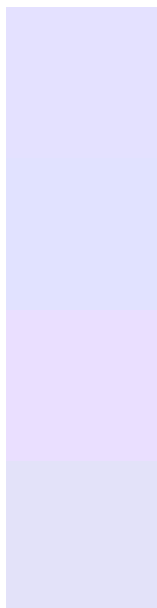
77.4671, 0.3019, 0.2957



Tritanopia

77.6995, 0.3007, 0.3103

Trichromacy



Original Color

77.5644, 0.2960, 0.2983

Protanomaly

77.6203, 0.2940, 0.2991

Deuteranomaly

77.4878, 0.2999, 0.2966

Tritanomaly

77.5632, 0.2990, 0.3052

Monochromacy



Original Color

77.5644, 0.2960, 0.2983

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3179, 0.3071, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5644, 0.2960, 0.2983 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(228, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 225, 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(228, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.5644, 0.2960, 0.2983 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(228, 225, 255) }
```

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

```
.border{ border-color:rgb(228, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5644, 0.2960, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 225, 255) }
```

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

```
.background{ background-color: rgb(228,  
225, 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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