

Converting Colors

$Y_{xy}(80.7264, 0.2803, 0.2699)$

Have a look what the booklet for
Yxy(80.7264, 0.2803, 0.2699)
contains.

Yxy(78.7685, 0.2986, 0.2995)	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(78.7685, 0.2986, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	E8E2FF
RGB	232, 226, 255
RGB Percent	91%, 89%, 100%
CMY	0.0901, 0.1137, 0.0000
CMYK	0.09, 0.11, 0.00, 0.00
HSL	252°, 100%, 94%
HSV	252°, 11%, 100%
XYZ	78.5318, 78.7685, 105.6997
YIQ	231.1000, -5.7330, 10.2910

Conversions

Conversions Part 2

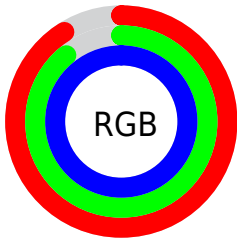
Format	Color
R _Y B	232, 226, 255
Decimal	15262463
CIE Lab	91.13, 7.41, -13.33
CIE LCh	91, 15.250, 299.092
Yxy	78.7685, 0.2986, 0.2995
Android (android.graphics.Color)	4293452543 (0xFFE8E2FF)
YUV	231.1000, 11.7827, 0.7893
Hunter-Lab	88.7516, 2.6302, -8.4859

Details

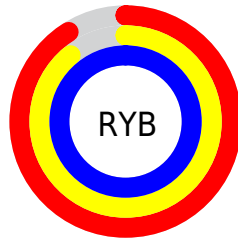
The Yxy color **78.7685, 0.2986, 0.2995** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **97.1479, 0.3259, 0.3575**, and the grayscale version is **79.9046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4331, 0.2953, 0.2937** is the 20% darker color. If you saturate the color by 10%, you get **62.7272, 0.2843, 0.2705**, and if you desaturate by 10%, it is **97.2634, 0.3111, 0.3256**.

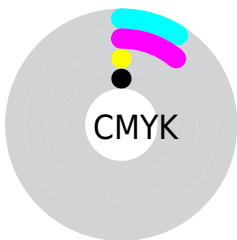
Distribution



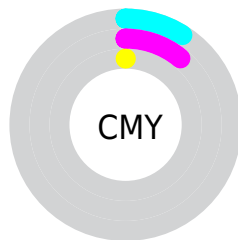
- Red (91%)
- Green (89%)
- Blue (100%)



- Red (91%)
- Yellow (89%)
- Blue (100%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7685, 0.2986, 0.2995 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 78.7685, 0.2986, 0.2995 by changing the saturation by 10% instead.


 78.7685, 0.2986,
0.2995

 78.7685, 0.2986,
0.2995


490.7728, 0.3051,
0.3127

 58.7055, 0.2971,
0.2966


131.6329, 0.3008,
0.3040

 42.3761, 0.2953,
0.2930


165.2031, 0.3017,
0.3058

 29.3959, 0.2930,
0.2886


204.0445, 0.3025,
0.3073

 19.3805, 0.2901,
0.2829

248.5414, 0.3031,
0.3087

 11.9455, 0.2860,
0.2753

299.0783, 0.3037,
0.3099

 6.7066, 0.2803,
0.2649

356.0396, 0.3042,

 3.2793, 0.2716,

0.3109

0.2494

419.8096, 0.3047,
0.3119

■ 1.2792, 0.2567,
0.2246

■ 0.1250, 0.2004,
0.0836

■ 78.7685, 0.2986,
0.2995

■ 78.7685, 0.2986,
0.2995

■ 62.7272, 0.2843,
0.2705

■ 97.2634, 0.3111,
0.3256

■ 49.0322, 0.2681,
0.2389

100.0000, 0.3127,
0.3290

■ 37.5733, 0.2503,
0.2056

■ 28.2301, 0.2315,
0.1718

■ 20.8706, 0.2126,
0.1395

■ 15.3477, 0.1947,
0.1109

■ 11.4935, 0.1790,
0.0881

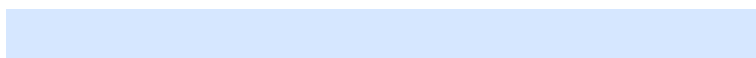
■ 9.1078, 0.1667,
0.0727

■ 7.9738, 0.1591,
0.0650

Harmonies

Analogous

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



78.7685, 0.2850, 0.3003



78.7685, 0.2986, 0.2995



78.7685, 0.3164, 0.3061

Triad

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



78.7685, 0.2986, 0.2995



78.7685, 0.3479, 0.3481



78.7685, 0.2919, 0.3397

Complementary

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



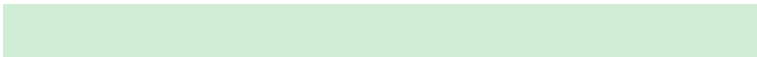
78.7685, 0.2986, 0.2995



97.1479, 0.3259, 0.3575

Split Complementary

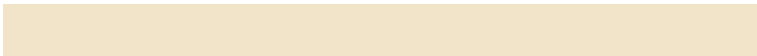
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7685, 0.3083, 0.3536



78.7685, 0.2986, 0.2995



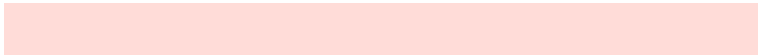
78.7685, 0.3409, 0.3581

Square

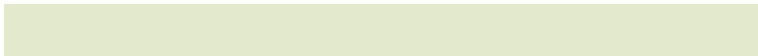
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7685, 0.2986, 0.2995



78.7685, 0.3453, 0.3336



78.7685, 0.3263, 0.3603



78.7685, 0.2812, 0.3230

Rectangle

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



78.7685, 0.2986, 0.2995



78.7685, 0.3282, 0.3138



78.7685, 0.3263, 0.3603



78.7685, 0.2969, 0.3449

Sweetspot

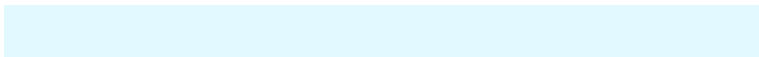
The Sweet Spot groups the original color and five complimentary colors.



78.7697, 0.2986, 0.2995



94.0839, 0.3092, 0.3216



91.2633, 0.2951, 0.3231



19.8077, 0.3083, 0.3196



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.



78.7697, 0.2986, 0.2995



74.3225, 0.2950, 0.2922



81.2587, 0.3081, 0.3004



17.5592, 0.3011, 0.3046



4.2170, 0.1603, 0.0657



0.4546, 0.1703, 0.0712

Inverse Universe

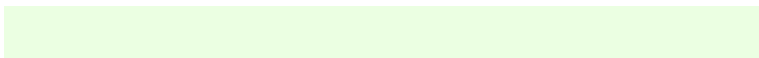
The Inverse Universe completely reimagines the original color for something new.



82.4903, 0.3179, 0.3066



78.8320, 0.3192, 0.3013



94.6218, 0.3168, 0.3583



18.2320, 0.3170, 0.3104



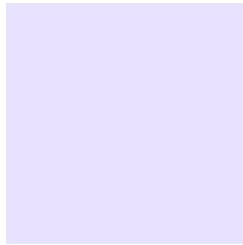
13.3623, 0.3817, 0.1876



1.3165, 0.3734, 0.1830

Previews

White Background



This preview shows how the Yxy color 78.7685, 0.2986, 0.2995 looks on a white background.

Color Contrast Check

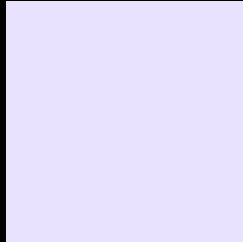
Large Text (above 18pt) WCAG AA × Fail

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 78.7685, 0.2986, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

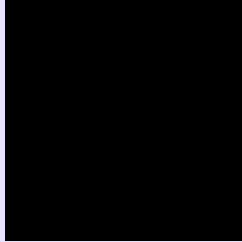
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7685, 0.2986, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 78.7685, 0.2986, 0.2995.



This preview shows how white text looks on a background with the Yxy color 78.7685, 0.2986, 0.2995.

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

78.7685, 0.2986, 0.2995

Protanopia

78.8756, 0.2947, 0.3013

Deuteranopia

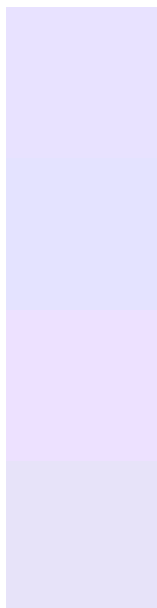
79.0566, 0.3039, 0.2980



Tritanopia

78.9636, 0.3028, 0.3105

Trichromacy



Original Color

78.7685, 0.2986, 0.2995

Protanomaly

78.6522, 0.2960, 0.3003

Deuteranomaly

79.0750, 0.3019, 0.2988

Tritanomaly

78.7666, 0.3016, 0.3064

Monochromacy



Original Color

78.7685, 0.2986, 0.2995

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.3188, 0.3071, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7685, 0.2986, 0.2995 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(232, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 226, 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(232, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.7685, 0.2986, 0.2995 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(232, 226, 255) }
```

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

```
.border{ border-color:rgb(232, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7685, 0.2986, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 226, 255) }
```

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

```
.background{ background-color: rgb(232,  
226, 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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