

Converting Colors

$Y_{xy}(80.7044, 0.2744, 0.2691)$

Have a look what the booklet for
Yxy(80.7044, 0.2744, 0.2691)
contains.

Yxy(78.5541, 0.2934, 0.3012) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(78.5541, 0.2934, 0.3012)

Conversions

Conversions Part 1	
Format	Color
Hex	E0E4FF
RGB	224, 228, 255
RGB Percent	88%, 89%, 100%
CMY	0.1218, 0.1058, 0.0000
CMYK	0.12, 0.11, 0.00, 0.00
HSL	232°, 100%, 94%
HSV	232°, 12%, 100%
XYZ	76.5198, 78.5541, 105.7299
YIQ	229.8820, -11.0510, 7.5490

Conversions

Conversions Part 2

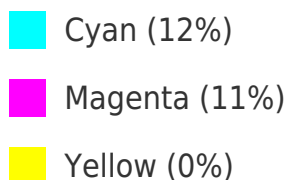
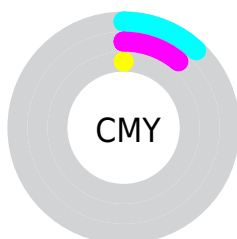
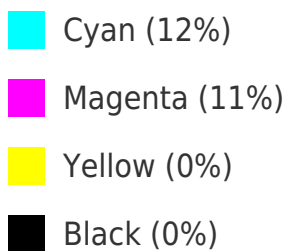
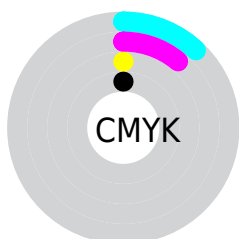
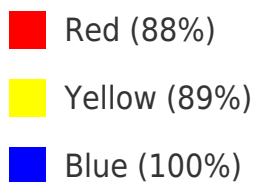
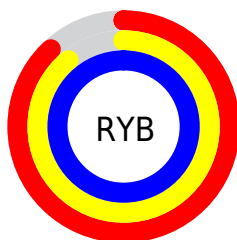
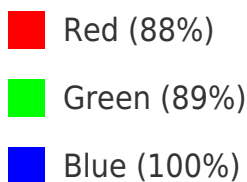
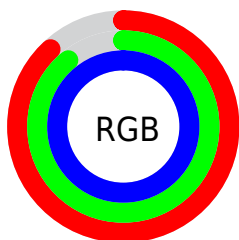
Format	Color
RYB	224, 228, 255
Decimal	14738687
CIELab	91.03, 3.79, -13.51
CIELCh	91, 14.034, 285.678
Yxy	78.5541, 0.2934, 0.3012
Android (android.graphics.Color)	4292928767 (0xFFE0E4FF)
YUV	229.8820, 12.3832, -5.1585
Hunter-Lab	88.6308, -0.9949, -8.6870

Details

The Yxy color 78.5541, 0.2934, 0.3012 is a light color, and the websafe version is hex CCCCFF. A complement of this color would be 95.5797, 0.3315, 0.3554, and the grayscale version is 78.9480, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 42.3994, 0.2896, 0.2958 is the 20% darker color. If you saturate the color by 10%, you get 63.3667, 0.2757, 0.2751, and if you desaturate by 10%, it is 95.9204, 0.3095, 0.3244.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5541, 0.2934, 0.3012 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 78.5541, 0.2934, 0.3012 by changing the saturation by 10% instead.


 78.5541, 0.2934,
0.3012

 78.5541, 0.2934,
0.3012


490.0466, 0.3022,
0.3137

 58.5293, 0.2914,
0.2984


131.3309, 0.2964,
0.3055

 42.2343, 0.2890,
0.2950


164.8517, 0.2976,
0.3072

 29.2848, 0.2859,
0.2907

203.6400, 0.2987,
0.3086

 19.2964, 0.2820,
0.2853

248.0800, 0.2995,
0.3099

 11.8846, 0.2766,
0.2780

298.5563, 0.3003,
0.3110

 6.6652, 0.2691,
0.2678


355.4533, 0.3010,


 3.2536, 0.2578,


0.3120


0.2527

419.1552, 0.3017,
0.3129


 1.2655, 0.2387,
0.2281


 0.1143, 0.1449,
0.0823

 78.5541, 0.2934,
0.3012


 78.5541, 0.2934,
0.3012


 63.3667, 0.2757,
0.2751

 95.9204, 0.3095,
0.3244

 50.2625, 0.2564,
0.2462

99.9995, 0.3127,
0.3290

 39.1531, 0.2362,
0.2151

 29.9397, 0.2159,
0.1828

■ 22.5155, 0.1964,
0.1509

■ 16.7624, 0.1793,
0.1214

■ 12.5480, 0.1657,
0.0965

■ 9.7190, 0.1565,
0.0780

■ 8.3341, 0.1523,
0.0682

Harmonies

Analogous

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



78.5541, 0.2836, 0.3052



78.5541, 0.2934, 0.3012



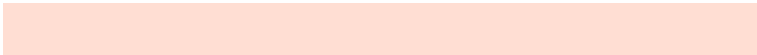
78.5541, 0.3086, 0.3044

Triad

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



78.5541, 0.2934, 0.3012



78.5541, 0.3452, 0.3410



78.5541, 0.2999, 0.3451

Complementary

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



78.5541, 0.2934, 0.3012



95.5797, 0.3315, 0.3554

Split Complementary

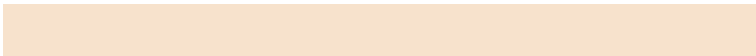
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5541, 0.3162, 0.3554



78.5541, 0.2934, 0.3012



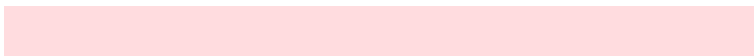
78.5541, 0.3426, 0.3524

Square

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



78.5541, 0.2934, 0.3012



78.5541, 0.3388, 0.3268



78.5541, 0.3319, 0.3579



78.5541, 0.2872, 0.3304

Rectangle

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



78.5541, 0.2934, 0.3012



78.5541, 0.3198, 0.3100



78.5541, 0.3319, 0.3579



78.5541, 0.3051, 0.3492

Sweetspot

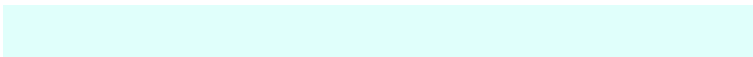
The Sweet Spot groups the original color and five complimentary colors.



78.5574, 0.2934, 0.3012



92.5928, 0.3067, 0.3204



94.3099, 0.2962, 0.3331



19.5291, 0.3055, 0.3187



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.



78.5574, 0.2934, 0.3012



74.0550, 0.2886, 0.2941



78.2202, 0.3008, 0.2976



17.7621, 0.2979, 0.3077



4.4726, 0.1527, 0.0698



0.5490, 0.1571, 0.0855

Inverse Universe

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



80.1436, 0.3321, 0.3250



76.0186, 0.3373, 0.3240



96.0575, 0.3236, 0.3599



18.0259, 0.3274, 0.3259



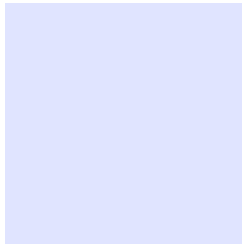
11.1795, 0.6235, 0.3208



1.1000, 0.5983, 0.3069

Previews

White Background



This preview shows how the Yxy color 78.5541, 0.2934, 0.3012 looks on a white background.

Color Contrast Check

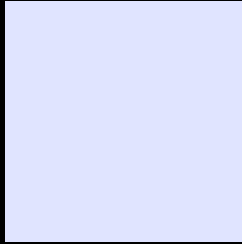
Large Text (above 18pt) WCAG AA × Fail

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 78.5541, 0.2934, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

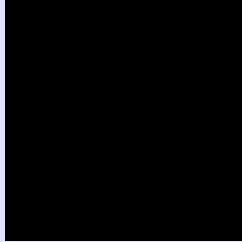
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5541, 0.2934, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 78.5541, 0.2934, 0.3012.

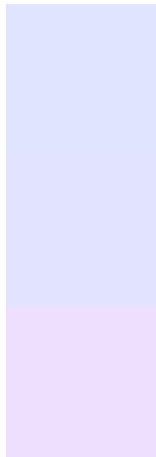


This preview shows how white text looks on a background with the Yxy color 78.5541, 0.2934, 0.3012.

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

78.5541, 0.2934, 0.3012

Protanopia

78.8756, 0.2947, 0.3013

Deuteranopia

78.3461, 0.3033, 0.2969



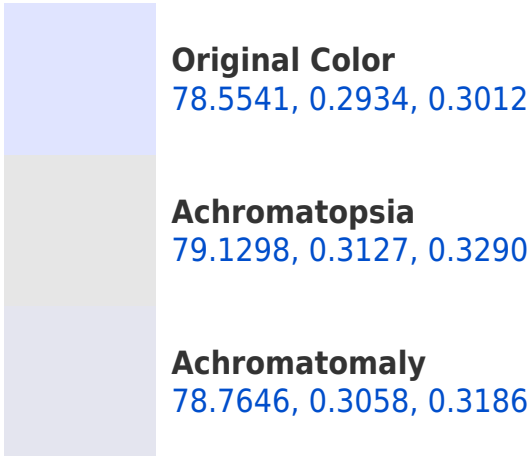
Tritanopia

78.4420, 0.2976, 0.3102

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5541, 0.2934, 0.3012 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(224, 228, 255) looks like.

```
.text, #text, p{  
    color:rgb(224, 228, 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(224, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.5541, 0.2934, 0.3012 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(224, 228, 255) }
```

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

```
.border{ border-color:rgb(224, 228, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 228, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5541, 0.2934, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 228, 255) }
```

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

```
.background{ background-color: rgb(224,  
228, 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