

Converting Colors

$Yxy(78.7522, 0.2937, 0.3015)$

Have a look what the booklet for
Yxy(78.7522, 0.2937, 0.3015)
contains.

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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

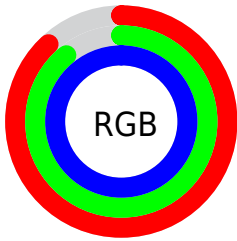
Format	Color
R _Y B	224, 228, 255
Decimal	14738687
CIE Lab	91.03, 3.79, -13.51
CIE LCh	91, 14.034, 285.678
Yxy	78.5541, 0.2934, 0.3012
Android (android.graphics.Color)	4292928767 (0xFFE0E4FF)
YUV	229.8820, 12.3832, -5.1585
Hunter-Lab	88.6308, -0.9949, -8.6870

Details

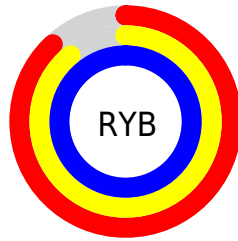
The Yxy color **78.5541, 0.2934, 0.3012** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.5797, 0.3315, 0.3554**, and the grayscale version is **78.9480, 0.3127, 0.3290**.

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**.

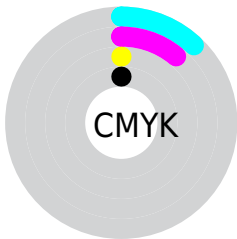
Distribution



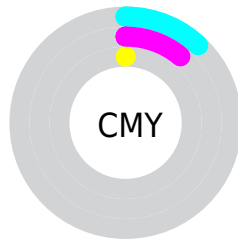
- Red (88%)
- Green (89%)
- Blue (100%)



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



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



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

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

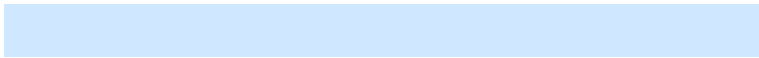
■ 9.7190, 0.1565,
0.0780

■ 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



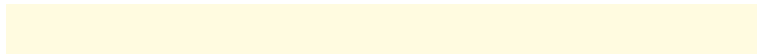
78.5541, 0.2999, 0.3451

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

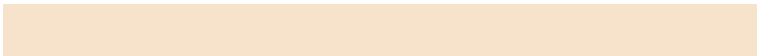
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5541, 0.3162, 0.3554



78.5541, 0.2934, 0.3012



78.5541, 0.3426, 0.3524

Square

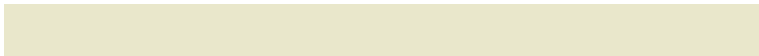
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



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



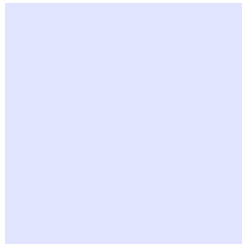
11.1795, 0.6235, 0.3208



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

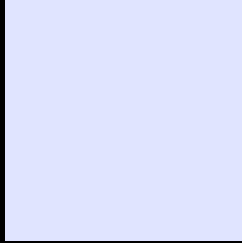
Large Text (above 18pt) WCAG AA × Fail

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

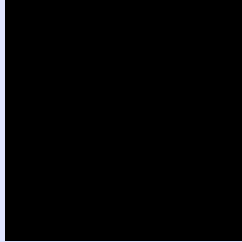
Large Text (above 18pt) WCAG AAA ✓ Pass

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.

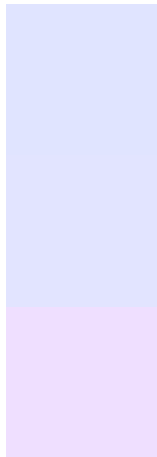


This preview shows how white text looks on a background with the Yxy color 78.5541, 0.2934, 0.3012.

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

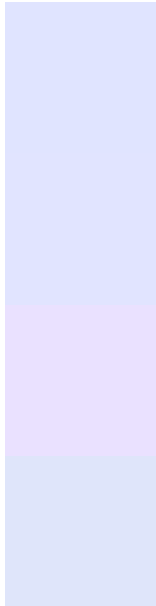
78.3461, 0.3033, 0.2969



Tritanopia

78.4420, 0.2976, 0.3102

Trichromacy



Original Color

78.5541, 0.2934, 0.3012

Protanomaly

78.7144, 0.2941, 0.3012

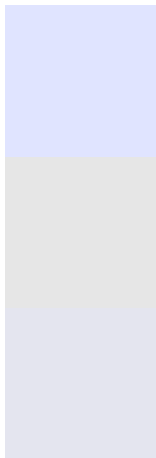
Deuteranomaly

78.5629, 0.2999, 0.2986

Tritanomaly

78.6287, 0.2958, 0.3072

Monochromacy



Original Color

78.5541, 0.2934, 0.3012

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.7646, 0.3058, 0.3186

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](#).

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