

Converting Colors

$Yxy(79.5609, 0.2978, 0.3054)$

Have a look what the booklet for
Yxy(79.5609, 0.2978, 0.3054)
contains.

Yxy(79.5609, 0.2978, 0.3054)	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(79.5609, 0.2978, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	E4E5FC
RGB	228, 229, 252
RGB Percent	89%, 90%, 99%
CMY	0.1060, 0.1019, 0.0117
CMYK	0.10, 0.09, 0.00, 0.01
HSL	237°, 80%, 94%
HSV	237°, 10%, 99%
XYZ	77.5810, 79.5609, 103.3719
YIQ	231.3230, -7.9790, 6.9410

Conversions

Conversions Part 2

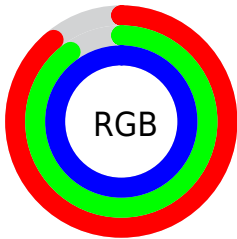
Format	Color
R _Y B	228, 229, 252
Decimal	15001084
CIE Lab	91.49, 3.97, -11.24
CIE LCh	91, 11.924, 289.448
Yxy	79.5609, 0.2978, 0.3054
Android (android.graphics.Color)	4293191164 (0xFFE4E5FC)
YUV	231.3230, 10.1938, -2.9143
Hunter-Lab	89.1969, -0.8403, -6.2744

Details

The Yxy color **79.5609, 0.2978, 0.3054** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.2805, 0.3271, 0.3516**, and the grayscale version is **80.0916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0965, 0.2952, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **63.3047, 0.2802, 0.2774**, and if you desaturate by 10%, it is **98.2789, 0.3134, 0.3301**.

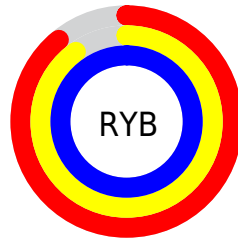
Distribution



Red (89%)

Green (90%)

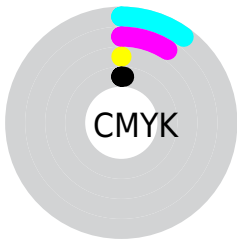
Blue (99%)



Red (89%)

Yellow (90%)

Blue (99%)

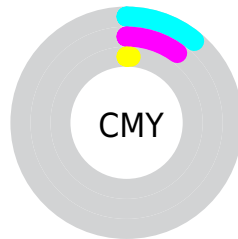


Cyan (10%)

Magenta (9%)

Yellow (0%)

Black (1%)



Cyan (11%)

Magenta (10%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5609, 0.2978, 0.3054 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 79.5609, 0.2978, 0.3054 by changing the saturation by 10% instead.

■ 79.5609, 0.2978,
0.3054

■ 79.5609, 0.2978,
0.3054

493.4518, 0.3046,
0.3160

■ 59.3571, 0.2963,
0.3030

132.7482, 0.3001,
0.3090

■ 42.9006, 0.2944,
0.3001

166.5005, 0.3011,
0.3105

■ 29.8072, 0.2920,
0.2965

205.5377, 0.3019,
0.3117

■ 19.6923, 0.2890,
0.2919

250.2443, 0.3025,
0.3128

■ 12.1715, 0.2848,
0.2857

301.0046, 0.3032,
0.3137

■ 6.8606, 0.2790,
0.2771

358.2030, 0.3037,

■ 3.3751, 0.2702,

0.3146

0.2643

422.2239, 0.3042,
0.3154

■ 1.3305, 0.2552,
0.2432

■ 0.1647, 0.1832,
0.1190

■ 79.5609, 0.2978,
0.3054

■ 79.5609, 0.2978,
0.3054

■ 63.3047, 0.2802,
0.2774

■ 98.2789, 0.3134,
0.3301

■ 49.3985, 0.2608,
0.2463

■ 99.8090, 0.3144,
0.3318

■ 37.7365, 0.2400,
0.2126

■ 28.2011, 0.2186,
0.1778

■ 20.6640, 0.1980,
0.1438

■ 14.9830, 0.1796,
0.1131

■ 10.9972, 0.1651,
0.0882

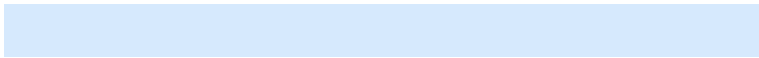
■ 8.5183, 0.1554,
0.0710

■ 7.2978, 0.1507,
0.0621

Harmonies

Analogous

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



79.5609, 0.2887, 0.3081



79.5609, 0.2978, 0.3054



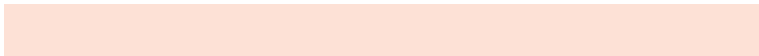
79.5609, 0.3110, 0.3088

Triad

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



79.5609, 0.2978, 0.3054



79.5609, 0.3403, 0.3406



79.5609, 0.3003, 0.3412

Complementary

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



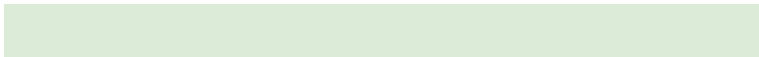
79.5609, 0.2978, 0.3054



95.2805, 0.3271, 0.3516

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.



79.5609, 0.3139, 0.3504



79.5609, 0.2978, 0.3054



79.5609, 0.3372, 0.3498

Square

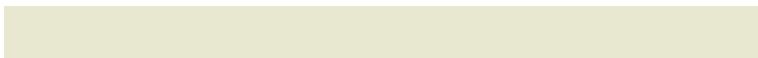
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.5609, 0.2978, 0.3054



79.5609, 0.3358, 0.3288



79.5609, 0.3274, 0.3535



79.5609, 0.2901, 0.3286

Rectangle

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



79.5609, 0.2978, 0.3054



79.5609, 0.3205, 0.3140



79.5609, 0.3274, 0.3535



79.5609, 0.3046, 0.3448

Sweetspot

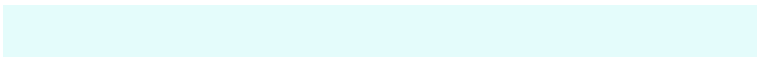
The Sweet Spot groups the original color and five complimentary colors.



79.5642, 0.2978, 0.3054



93.9949, 0.3082, 0.3219



93.0720, 0.2986, 0.3302



19.7837, 0.3070, 0.3199



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.



79.5642, 0.2978, 0.3054



79.1139, 0.2953, 0.3015



80.8197, 0.3049, 0.3049



16.7623, 0.2979, 0.3055



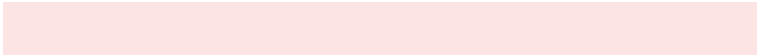
3.8368, 0.1507, 0.0626



0.3961, 0.1525, 0.0689

Inverse Universe

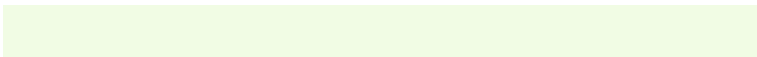
The Inverse Universe completely reimagines the original color for something new.



81.8311, 0.3288, 0.3280



81.7808, 0.3316, 0.3279



93.9641, 0.3200, 0.3530



17.2373, 0.3287, 0.3280



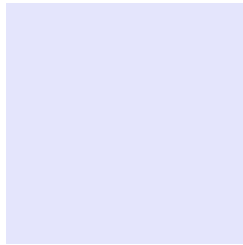
10.7982, 0.6357, 0.3275



1.0042, 0.6250, 0.3217

Previews

White Background



This preview shows how the Yxy color 79.5609, 0.2978, 0.3054 looks on a white background.

Color Contrast Check

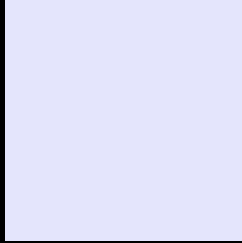
Large Text (above 18pt) WCAG AA × Fail

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 79.5609, 0.2978, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

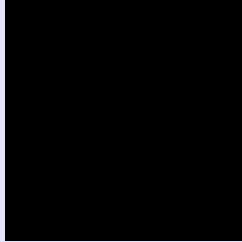
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5609, 0.2978, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 79.5609, 0.2978, 0.3054.

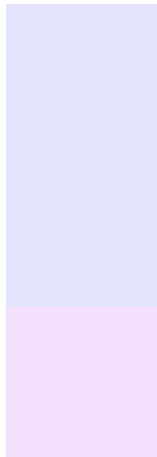


This preview shows how white text looks on a background with the Yxy color 79.5609, 0.2978, 0.3054.

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

79.5609, 0.2978, 0.3054

Protanopia

79.5609, 0.2978, 0.3054

Deuteranopia

79.2804, 0.3065, 0.3000



Tritanopia

79.7018, 0.2996, 0.3104

Trichromacy



Original Color

79.5609, 0.2978, 0.3054

Protanomaly

79.5609, 0.2978, 0.3054

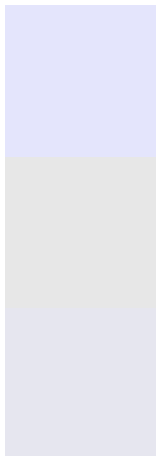
Deuteranomaly

79.4891, 0.3032, 0.3018

Tritanomaly

79.7641, 0.2990, 0.3094

Monochromacy



Original Color

79.5609, 0.2978, 0.3054

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.6486, 0.3071, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5609, 0.2978, 0.3054 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, 229, 252)` looks like.

```
.text, #text, p{  
    color:rgb(228, 229, 252)  
}
```

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, 229, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 229, 252) }
```

Border

The CSS property to change the border of an element to Yxy 79.5609, 0.2978, 0.3054 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, 229, 252) }
```

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

```
.border{ border-color:rgb(228, 229, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 229, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 229, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 229, 252);  
box-shadow:4px 4px 4px 4px rgb(228, 229,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5609, 0.2978, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 229, 252) }
```

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

```
.background{ background-color: rgb(228,  
229, 252) }
```

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