

Converting Colors

$Y_{xy}(79.3178, 0.3038, 0.2985)$

Have a look what the booklet for
Yxy(79.3178, 0.3038, 0.2985)
contains.

Yxy(79.5957, 0.3039, 0.2990)	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(79.5957, 0.3039, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	F0E1FF
RGB	240, 225, 255
RGB Percent	94%, 88%, 100%
CMY	0.0590, 0.1176, 0.0000
CMYK	0.06, 0.12, 0.00, 0.00
HSL	270°, 100%, 94%
HSV	270°, 12%, 100%
XYZ	80.9001, 79.5957, 105.7105
YIQ	232.9050, -0.6900, 12.5100

Conversions

Conversions Part 2

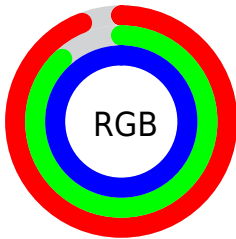
Format	Color
R _Y B	240, 225, 255
Decimal	15786495
CIE Lab	91.50, 10.47, -12.69
CIE LCh	92, 16.453, 309.539
Yxy	79.5957, 0.3039, 0.2990
Android (android.graphics.Color)	4293976575 (0xFFFF0E1FF)
YUV	232.9050, 10.8928, 6.2223
Hunter-Lab	89.2164, 5.7324, -7.7999

Details

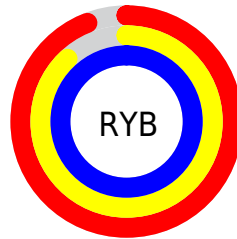
The Yxy color $79.5957, 0.3039, 0.2990$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.4930, 0.3207, 0.3590$, and the grayscale version is $81.3255, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.0170, 0.3021, 0.2931$ is the 20% darker color. If you saturate the color by 10%, you get $64.6640, 0.2950, 0.2713$, and if you desaturate by 10%, it is $96.7502, 0.3115, 0.3247$.

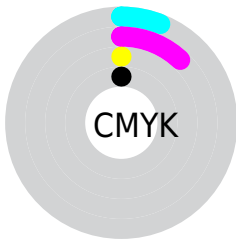
Distribution



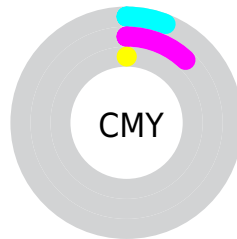
- Red (94%)
- Green (88%)
- Blue (100%)



- Red (94%)
- Yellow (88%)
- Blue (100%)



- Cyan (6%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.5957, 0.3039, 0.2990 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 79.5957, 0.3039, 0.2990 by changing the saturation by 10% instead.


 79.5957, 0.3039,
0.2990

 79.5957, 0.3039,
0.2990


493.5693, 0.3080,
0.3124

 59.3857, 0.3030,
0.2961


132.7972, 0.3053,
0.3036

 42.9237, 0.3018,
0.2925


166.5574, 0.3059,
0.3054

 29.8253, 0.3003,
0.2880


205.6032, 0.3064,
0.3069

 19.7060, 0.2984,
0.2823

250.3190, 0.3068,
0.3083

 12.1815, 0.2957,
0.2748

301.0891, 0.3071,
0.3095

 6.8674, 0.2919,
0.2645

358.2979, 0.3075,

 3.3793, 0.2861,

0.3106

0.2493

422.3298, 0.3078,
0.3115

■ 1.3328, 0.2758,
0.2251

■ 0.1664, 0.2505,
0.1007

■ 79.5957, 0.3039,
0.2990

■ 79.5957, 0.3039,
0.2990

■ 64.6640, 0.2950,
0.2713

■ 96.7502, 0.3115,
0.3247

■ 51.8518, 0.2848,
0.2420

100.0000, 0.3127,
0.3290

■ 41.0611, 0.2733,
0.2119

■ 32.1824, 0.2608,
0.1822

■ 25.0952, 0.2475,
0.1542

■ 19.6651, 0.2341,
0.1296

■ 15.7378, 0.2210,
0.1097

■ 13.1277, 0.2090,
0.0955

■ 11.7376, 0.2001,
0.0876

Harmonies

Analogous

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



79.5957, 0.2872, 0.2969



79.5957, 0.3039, 0.2990



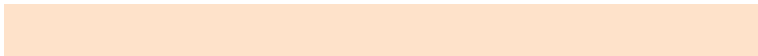
79.5957, 0.3234, 0.3085

Triad

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



79.5957, 0.3039, 0.2990



79.5957, 0.3491, 0.3539



79.5957, 0.2855, 0.3343

Complementary

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



79.5957, 0.3039, 0.2990



95.4930, 0.3207, 0.3590

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.



79.5957, 0.3014, 0.3510



79.5957, 0.3039, 0.2990



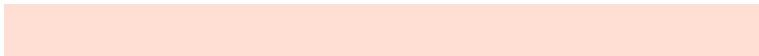
79.5957, 0.3382, 0.3622

Square

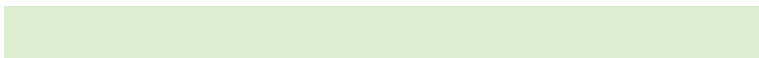
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.5957, 0.3039, 0.2990



79.5957, 0.3500, 0.3395



79.5957, 0.3207, 0.3613



79.5957, 0.2769, 0.3166

Rectangle

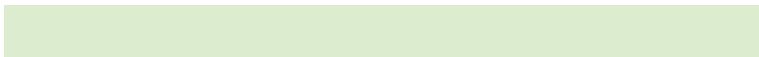
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.5957, 0.3039, 0.2990



79.5957, 0.3354, 0.3178



79.5957, 0.3207, 0.3613



79.5957, 0.2901, 0.3402

Sweetspot

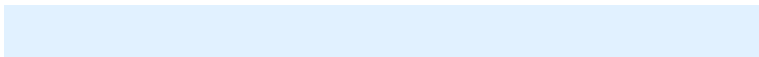
The Sweet Spot groups the original color and five complimentary colors.



79.5987, 0.3039, 0.2990



92.7062, 0.3099, 0.3191



85.8509, 0.2943, 0.3142



19.5581, 0.3094, 0.3172



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.



79.5987, 0.3039, 0.2990



76.0598, 0.3020, 0.2930



82.2460, 0.3137, 0.2999



17.8223, 0.3057, 0.3050



6.2218, 0.2018, 0.0885



0.6707, 0.2140, 0.0953

Inverse Universe

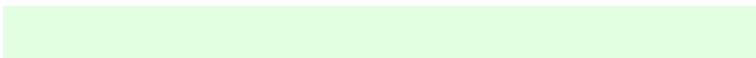
The Inverse Universe completely reimagines the original color for something new.



81.4154, 0.3238, 0.3142



78.2064, 0.3263, 0.3113



93.0483, 0.3116, 0.3598



18.1391, 0.3215, 0.3171



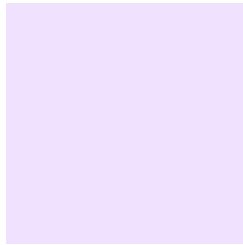
11.9523, 0.4957, 0.2505



1.1858, 0.4704, 0.2365

Previews

White Background



This preview shows how the Yxy color 79.5957, 0.3039, 0.2990 looks on a white background.

Color Contrast Check

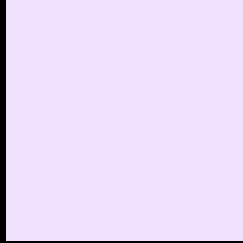
Large Text (above 18pt) WCAG AA × Fail

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 79.5957, 0.3039, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

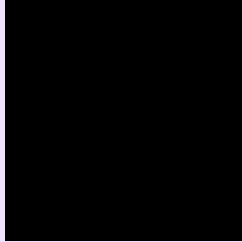
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

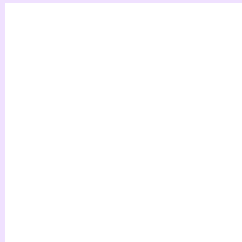
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.5957, 0.3039, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 79.5957, 0.3039, 0.2990.

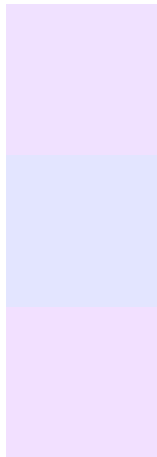


This preview shows how white text looks on a background with the Yxy color 79.5957, 0.3039, 0.2990.

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

79.5957, 0.3039, 0.2990

Protanopia

79.5895, 0.2954, 0.3024

Deuteranopia

79.4086, 0.3053, 0.2981



Tritanopia

79.7079, 0.3088, 0.3107

Trichromacy



Original Color

79.5957, 0.3039, 0.2990

Protanomaly

79.8626, 0.2986, 0.3016

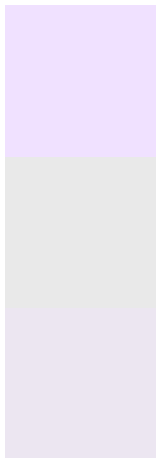
Deuteranomaly

79.2321, 0.3046, 0.2980

Tritanomaly

79.5830, 0.3070, 0.3058

Monochromacy



Original Color

79.5957, 0.3039, 0.2990

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.7774, 0.3099, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5957, 0.3039, 0.2990 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(240, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.5957, 0.3039, 0.2990 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(240, 225, 255) }
```

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

```
.border{ border-color:rgb(240, 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(240, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5957, 0.3039, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 225, 255) }
```

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

```
.background{ background-color: rgb(240,  
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](#).

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