

Converting Colors

$Yxy(79.9874, 0.2988, 0.3154)$

Have a look what the booklet for
Yxy(79.9874, 0.2988, 0.3154)
contains.

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Color

Yxy(79.9938, 0.2988, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	DFE8F5
RGB	223, 232, 245
RGB Percent	87%, 91%, 96%
CMY	0.1253, 0.0902, 0.0391
CMYK	0.09, 0.05, 0.00, 0.04
HSL	216°, 52%, 92%
HSV	216°, 9%, 96%
XYZ	75.7836, 79.9938, 97.8491
YIQ	230.7910, -9.5370, 2.1350

Conversions

Conversions Part 2

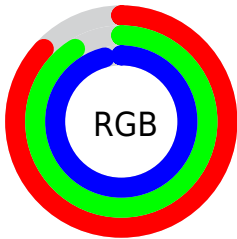
Format	Color
R _Y B	223, 229, 245
Decimal	14674165
CIE Lab	91.68, -0.51, -7.34
CIE LCh	92, 7.361, 266.063
Yxy	79.9938, 0.2988, 0.3154
Android (android.graphics.Color)	4292864245 (0xFFDFE8F5)
YUV	230.7910, 7.0050, -6.8327
Hunter-Lab	89.4393, -5.2722, -2.2575

Details

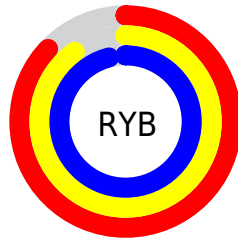
The Yxy color **79.9938, 0.2988, 0.3154** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.7877, 0.3270, 0.3422**, and the grayscale version is **79.7082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0496, 0.2956, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **68.5341, 0.2824, 0.2985**, and if you desaturate by 10%, it is **92.7004, 0.3143, 0.3305**.

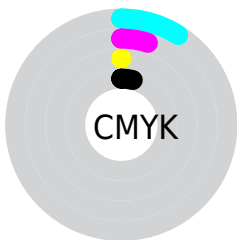
Distribution



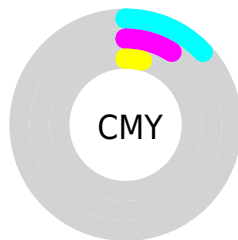
- Red (87%)
- Green (91%)
- Blue (96%)



- Red (87%)
- Yellow (90%)
- Blue (96%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (13%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9938, 0.2988, 0.3154 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 79.9938, 0.2988, 0.3154 by changing the saturation by 10% instead.

■ 79.9938, 0.2988,
0.3154

■ 79.9938, 0.2988,
0.3154

494.9119, 0.3051,
0.3216

■ 59.7133, 0.2974,
0.3140

133.3570, 0.3010,
0.3175

■ 43.1875, 0.2956,
0.3123

167.2085, 0.3018,
0.3184

■ 30.0323, 0.2935,
0.3102

206.3524, 0.3026,
0.3191

■ 19.8631, 0.2907,
0.3074

251.1731, 0.3032,
0.3197

■ 12.2956, 0.2869,
0.3037

302.0550, 0.3038,
0.3203

■ 6.9453, 0.2816,
0.2984

359.3825, 0.3043,

■ 3.4279, 0.2735,

0.3208

0.2904

423.5400, 0.3047,
0.3212

■ 1.3590, 0.2599,
0.2769

■ 0.1862, 0.1543,
0.1745

■ 79.9938, 0.2988,
0.3154

■ 79.9938, 0.2988,
0.3154

■ 68.5341, 0.2824,
0.2985

■ 92.7004, 0.3143,
0.3305

■ 58.2707, 0.2654,
0.2797

■ 99.3739, 0.3185,
0.3386

■ 49.1643, 0.2481,
0.2593

■ 41.1693, 0.2309,
0.2373

■ 34.2368, 0.2145,
0.2144

■ 28.3134, 0.1995,
0.1911

■ 23.3400, 0.1866,
0.1682

■ 19.2493, 0.1763,
0.1466

■ 15.9496, 0.1688,
0.1271

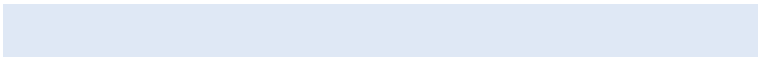
Harmonies

Analogous

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



79.9938, 0.2961, 0.3200



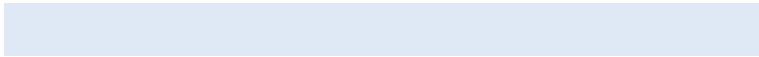
79.9938, 0.2988, 0.3154



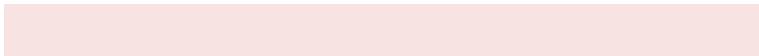
79.9938, 0.3052, 0.3145

Triad

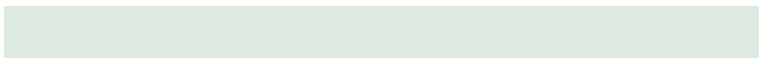
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9938, 0.2988, 0.3154



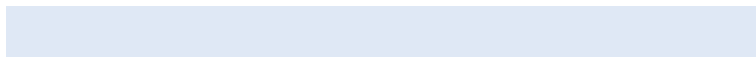
79.9938, 0.3279, 0.3306



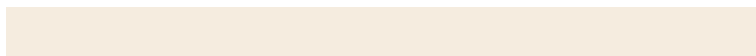
79.9938, 0.3116, 0.3411

Complementary

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



79.9938, 0.2988, 0.3154



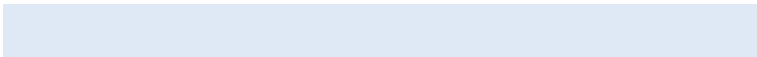
84.7877, 0.3270, 0.3422

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.



79.9938, 0.3201, 0.3440



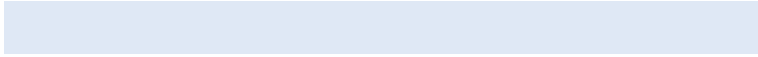
79.9938, 0.2988, 0.3154



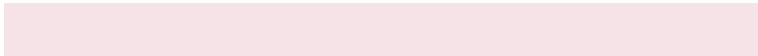
79.9938, 0.3296, 0.3377

Square

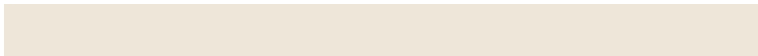
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9938, 0.2988, 0.3154



79.9938, 0.3220, 0.3232



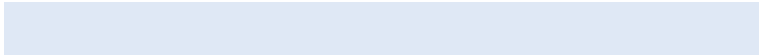
79.9938, 0.3268, 0.3427



79.9938, 0.3034, 0.3349

Rectangle

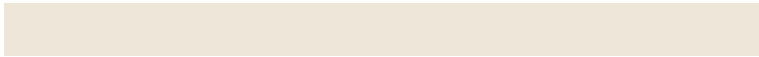
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9938, 0.2988, 0.3154



79.9938, 0.3108, 0.3160



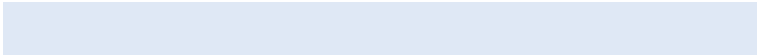
79.9938, 0.3268, 0.3427



79.9938, 0.3145, 0.3425

Sweetspot

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



79.9972, 0.2988, 0.3154



95.7163, 0.3081, 0.3246



87.0632, 0.3041, 0.3385



20.2467, 0.3069, 0.3234



0.0000, 0.0000, 0.0000



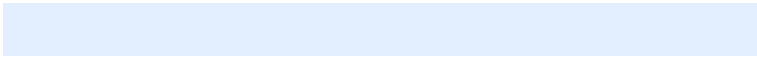
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9972, 0.2988, 0.3154



84.9012, 0.2955, 0.3121



75.3862, 0.3000, 0.3060



17.0334, 0.2980, 0.3146



8.6814, 0.1689, 0.1282



0.9595, 0.1758, 0.1528

Inverse Universe

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



78.0455, 0.3223, 0.3199



82.3650, 0.3248, 0.3178



89.7378, 0.3248, 0.3512



16.5943, 0.3230, 0.3194



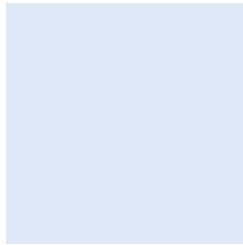
10.9758, 0.5352, 0.2722



0.9845, 0.5023, 0.2541

Previews

White Background



This preview shows how the Yxy color 79.9938, 0.2988, 0.3154 looks on a white background.

Color Contrast Check

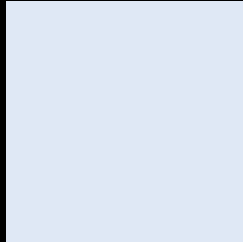
Large Text (above 18pt) WCAG AA × Fail

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 79.9938, 0.2988, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

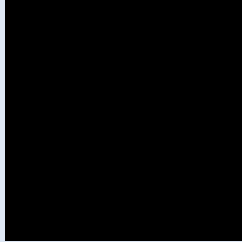
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

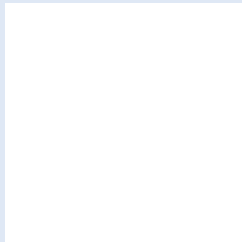
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.9938, 0.2988, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 79.9938, 0.2988, 0.3154.

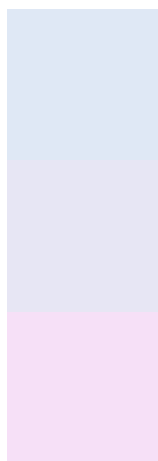


This preview shows how white text looks on a background with the Yxy color 79.9938, 0.2988, 0.3154.

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

79.9938, 0.2988, 0.3154

Protanopia

80.1142, 0.3046, 0.3146

Deuteranopia

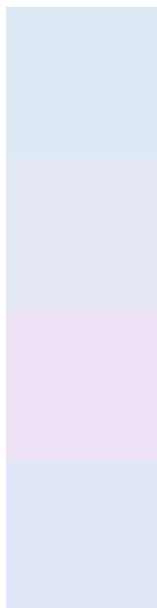
79.6195, 0.3131, 0.3061



Tritanopia

79.9012, 0.2964, 0.3093

Trichromacy



Original Color

79.9938, 0.2988, 0.3154

Protanomaly

80.1775, 0.3027, 0.3155

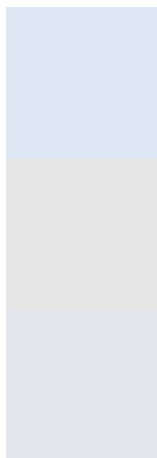
Deuteranomaly

79.7691, 0.3082, 0.3097

Tritanomaly

79.7764, 0.2976, 0.3114

Monochromacy



Original Color

79.9938, 0.2988, 0.3154

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.7019, 0.3076, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9938, 0.2988, 0.3154 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(223, 232, 245)` looks like.

```
.text, #text, p{  
    color:rgb(223, 232, 245)  
}
```

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(223, 232, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 232, 245) }
```

Border

The CSS property to change the border of an element to Yxy 79.9938, 0.2988, 0.3154 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(223, 232, 245) }
```

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

```
.border{ border-color:rgb(223, 232, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 232, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 232, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 232, 245);  
box-shadow:4px 4px 4px 4px rgb(223, 232,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9938, 0.2988, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 232, 245) }
```

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

```
.background{ background-color: rgb(223,  
232, 245) }
```

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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