

Converting Colors

Yxy(78.4833, 0.2981, 0.3134)

Have a look what the booklet for
Yxy(78.4833, 0.2981, 0.3134)
contains.

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Color

Yxy(78.7158, 0.2981, 0.3133)

Conversions

Conversions Part 1

Format	Color
Hex	DEE6F5
RGB	222, 230, 245
RGB Percent	87%, 90%, 96%
CMY	0.1295, 0.0980, 0.0392
CMYK	0.09, 0.06, 0.00, 0.04
HSL	219°, 54%, 92%
HSV	219°, 9%, 96%
XYZ	74.8968, 78.7158, 97.6347
YIQ	229.3180, -9.5830, 2.9690

Conversions

Conversions Part 2

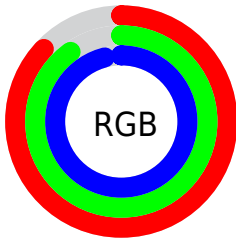
Format	Color
R _Y B	222, 228, 245
Decimal	14608117
CIE Lab	91.11, 0.16, -8.20
CIE LCh	91, 8.198, 271.147
Yxy	78.7158, 0.2981, 0.3133
Android (android.graphics.Color)	4292798197 (0xFFDEE6F5)
YUV	229.3180, 7.7312, -6.4179
Hunter-Lab	88.7219, -4.5781, -3.1408

Details

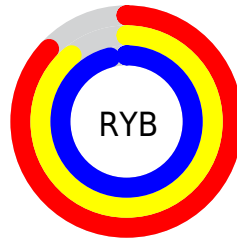
The Yxy color **78.7158, 0.2981, 0.3133** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.2357, 0.3276, 0.3442**, and the grayscale version is **78.5478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5496, 0.2948, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **66.6520, 0.2815, 0.2946**, and if you desaturate by 10%, it is **92.1607, 0.3136, 0.3299**.

Distribution



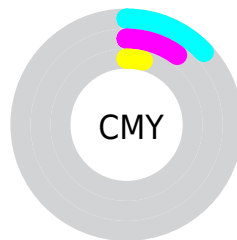
- Red (87%)
- Green (90%)
- Blue (96%)



- Red (87%)
- Yellow (89%)
- Blue (96%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (13%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7158, 0.2981, 0.3133 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 78.7158, 0.2981, 0.3133 by changing the saturation by 10% instead.

■ 78.7158, 0.2981,
0.3133

■ 78.7158, 0.2981,
0.3133

490.5944, 0.3048,
0.3205

■ 58.6622, 0.2966,
0.3117

131.5587, 0.3004,
0.3158

■ 42.3412, 0.2948,
0.3097

165.1167, 0.3013,
0.3167

■ 29.3686, 0.2925,
0.3072

203.9451, 0.3021,
0.3176

■ 19.3598, 0.2895,
0.3040

248.4280, 0.3027,
0.3183

■ 11.9306, 0.2854,
0.2997

298.9500, 0.3033,
0.3189

■ 6.6964, 0.2798,
0.2936

355.8955, 0.3039,

■ 3.2730, 0.2711,

0.3195

0.2844

419.6488, 0.3043,
0.3200

■ 1.2759, 0.2564,
0.2686

■ 0.1224, 0.1268,
0.1290

■ 78.7158, 0.2981,
0.3133

■ 78.7158, 0.2981,
0.3133

■ 66.6520, 0.2815,
0.2946

■ 92.1607, 0.3136,
0.3299

■ 55.9135, 0.2641,
0.2738

■ 99.3728, 0.3185,
0.3386

■ 46.4552, 0.2462,
0.2512

■ 38.2253, 0.2284,
0.2269

■ 31.1683, 0.2112,
0.2018

■ 25.2238, 0.1955,
0.1764

■ 20.3249, 0.1821,
0.1520

■ 16.3956, 0.1715,
0.1296

■ 13.3316, 0.1640,
0.1101

Harmonies

Analogous

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



78.7158, 0.2943, 0.3178



78.7158, 0.2981, 0.3133



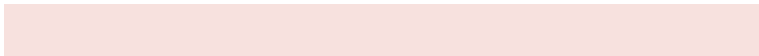
78.7158, 0.3058, 0.3130

Triad

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



78.7158, 0.2981, 0.3133



78.7158, 0.3304, 0.3322



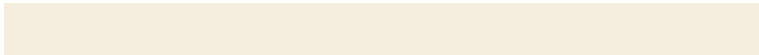
78.7158, 0.3098, 0.3416

Complementary

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



78.7158, 0.2981, 0.3133



85.2357, 0.3276, 0.3442

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.



78.7158, 0.3195, 0.3456



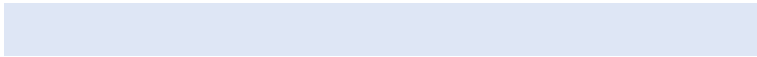
78.7158, 0.2981, 0.3133



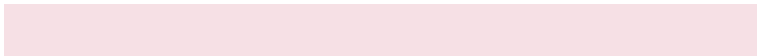
78.7158, 0.3315, 0.3399

Square

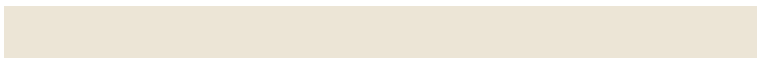
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



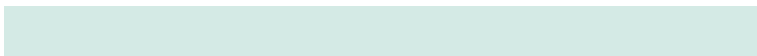
78.7158, 0.2981, 0.3133



78.7158, 0.3245, 0.3238



78.7158, 0.3274, 0.3449



78.7158, 0.3010, 0.3342

Rectangle

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



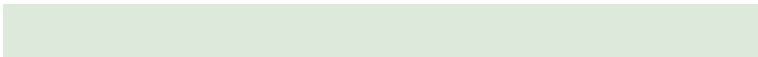
78.7158, 0.2981, 0.3133



78.7158, 0.3122, 0.3152



78.7158, 0.3274, 0.3449



78.7158, 0.3130, 0.3434

Sweetspot

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



78.7191, 0.2981, 0.3133



95.4413, 0.3081, 0.3242



86.9445, 0.3028, 0.3373



20.1726, 0.3069, 0.3229



0.0000, 0.0000, 0.0000



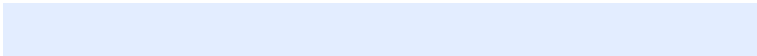
21.4041, 0.3127, 0.3290

Same Dimension

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



78.7191, 0.2981, 0.3133



83.9600, 0.2955, 0.3104



74.8993, 0.3004, 0.3049



16.8726, 0.2980, 0.3132



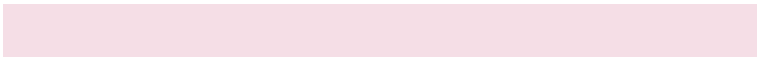
7.3279, 0.1644, 0.1119



0.8291, 0.1713, 0.1367

Inverse Universe

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



77.3568, 0.3238, 0.3208



82.2700, 0.3259, 0.3194



89.3779, 0.3244, 0.3523



16.5780, 0.3239, 0.3208



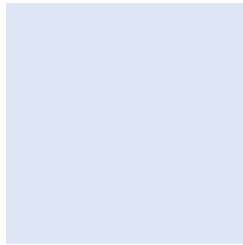
10.8391, 0.5582, 0.2849



0.9713, 0.5235, 0.2657

Previews

White Background



This preview shows how the Yxy color 78.7158, 0.2981, 0.3133 looks on a white background.

Color Contrast Check

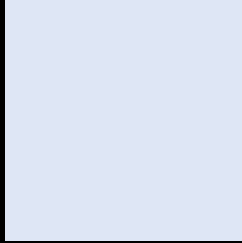
Large Text (above 18pt) WCAG AA × Fail

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 78.7158, 0.2981, 0.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

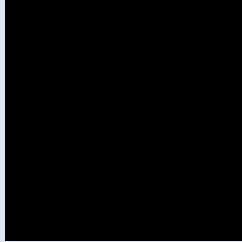
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

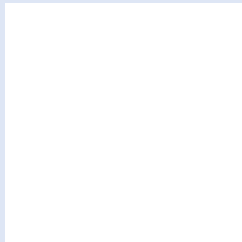
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7158, 0.2981, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 78.7158, 0.2981, 0.3133.



This preview shows how white text looks on a background with the Yxy color 78.7158, 0.2981, 0.3133.

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

78.7158, 0.2981, 0.3133

Protanopia

78.6765, 0.3033, 0.3124

Deuteranopia

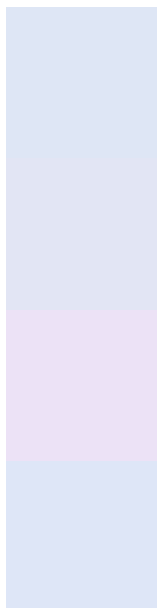
78.6623, 0.3124, 0.3059



Tritanopia

78.9005, 0.2963, 0.3102

Trichromacy



Original Color

78.7158, 0.2981, 0.3133

Protanomaly

78.7390, 0.3013, 0.3134

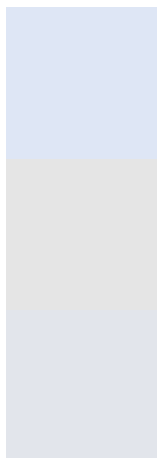
Deuteranomaly

78.8794, 0.3068, 0.3086

Tritanomaly

78.8386, 0.2969, 0.3112

Monochromacy



Original Color

78.7158, 0.2981, 0.3133

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.2055, 0.3069, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7158, 0.2981, 0.3133 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(222, 230, 245)` looks like.

```
.text, #text, p{  
    color:rgb(222, 230, 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(222, 230, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 230, 245) }
```

Border

The CSS property to change the border of an element to Yxy 78.7158, 0.2981, 0.3133 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(222, 230, 245) }
```

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

```
.border{ border-color:rgb(222, 230, 245) }
```

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

Here you see how a box with a 4 pixel rgb(222, 230, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 230, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 230, 245);  
box-shadow:4px 4px 4px 4px rgb(222, 230,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7158, 0.2981, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 230, 245) }
```

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

```
.background{ background-color: rgb(222,  
230, 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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