

Converting Colors

$Yxy(78.5758, 0.2913, 0.3148)$

Have a look what the booklet for
Yxy(78.5758, 0.2913, 0.3148)
contains.

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Color

Yxy(78.3641, 0.2912, 0.3141)

Conversions

Conversions Part 1

Format	Color
Hex	D4E8F6
RGB	212, 232, 246
RGB Percent	83%, 91%, 96%
CMY	0.1684, 0.0902, 0.0353
CMYK	0.14, 0.06, 0.00, 0.04
HSL	205°, 65%, 90%
HSV	205°, 14%, 96%
XYZ	72.6508, 78.3641, 98.4728
YIQ	227.6160, -16.4140, 0.1140

Conversions

Conversions Part 2

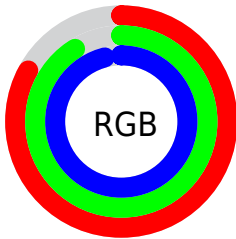
Format	Color
R _Y B	212, 225, 246
Decimal	13953270
CIE Lab	90.95, -3.81, -9.02
CIE LCh	91, 9.794, 247.103
Yxy	78.3641, 0.2912, 0.3141
Android (android.graphics.Color)	4292143350 (0xFFD4E8F6)
YUV	227.6160, 9.0633, -13.6952
Hunter-Lab	88.5235, -8.4220, -3.9873

Details

The Yxy color **78.3641, 0.2912, 0.3141** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.7617, 0.3362, 0.3435**, and the grayscale version is **77.2365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9365, 0.2859, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **69.4388, 0.2753, 0.3019**, and if you desaturate by 10%, it is **88.1824, 0.3069, 0.3251**.

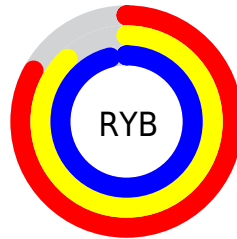
Distribution



Red (83%)

Green (91%)

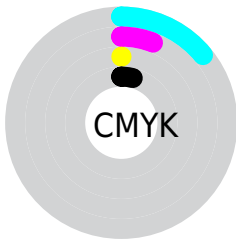
Blue (96%)



Red (83%)

Yellow (88%)

Blue (96%)

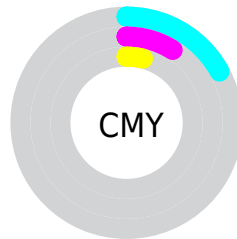


Cyan (14%)

Magenta (6%)

Yellow (0%)

Black (4%)



Cyan (17%)

Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3641, 0.2912, 0.3141 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 78.3641, 0.2912, 0.3141 by changing the saturation by 10% instead.

■ 78.3641, 0.2912,
0.3141

■ 78.3641, 0.2912,
0.3141

489.4025, 0.3010,
0.3210

■ 58.3731, 0.2890,
0.3125

131.0633, 0.2946,
0.3165

■ 42.1087, 0.2863,
0.3106

164.5402, 0.2959,
0.3174

■ 29.1864, 0.2830,
0.3082

203.2813, 0.2970,
0.3182

■ 19.2219, 0.2786,
0.3051

247.6710, 0.2980,
0.3189

■ 11.8307, 0.2728,
0.3008

298.0935, 0.2989,
0.3195

■ 6.6285, 0.2646,
0.2947

354.9333, 0.2997,

■ 3.2309, 0.2522,

0.3200

0.2854

418.5748, 0.3003,
0.3205

1.2534, 0.2315,
0.2692

0.1047, 0.0076,
0.1223

78.3641, 0.2912,
0.3141

78.3641, 0.2912,
0.3141

69.4388, 0.2753,
0.3019

88.1824, 0.3069,
0.3251

61.3662, 0.2595,
0.2886

97.7085, 0.3181,
0.3350

54.1167, 0.2441,
0.2742

99.4330, 0.3179,
0.3376

47.6551, 0.2296,
0.2589

■ 41.9431, 0.2164,
0.2430

■ 36.9380, 0.2049,
0.2268

■ 32.5911, 0.1955,
0.2107

■ 28.8444, 0.1884,
0.1949

■ 26.7714, 0.1848,
0.1854

Harmonies

Analogous

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



78.3641, 0.2913, 0.3226



78.3641, 0.2912, 0.3141



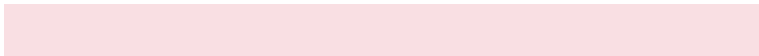
78.3641, 0.2968, 0.3098

Triad

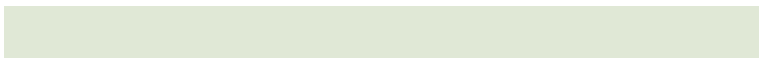
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3641, 0.2912, 0.3141



78.3641, 0.3286, 0.3247



78.3641, 0.3185, 0.3484

Complementary

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



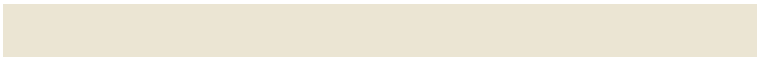
78.3641, 0.2912, 0.3141



78.7617, 0.3362, 0.3435

Split Complementary

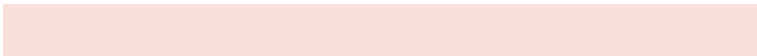
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3641, 0.3287, 0.3486



78.3641, 0.2912, 0.3141



78.3641, 0.3346, 0.3348

Square

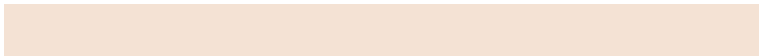
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3641, 0.2912, 0.3141



78.3641, 0.3183, 0.3159



78.3641, 0.3347, 0.3435



78.3641, 0.3069, 0.3426

Rectangle

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



78.3641, 0.2912, 0.3141



78.3641, 0.3030, 0.3097



78.3641, 0.3347, 0.3435



78.3641, 0.3222, 0.3491

Sweetspot

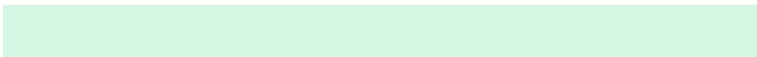
The Sweet Spot groups the original color and five complimentary colors.



78.3674, 0.2912, 0.3141



95.4626, 0.3065, 0.3249



85.3778, 0.3031, 0.3507



20.2541, 0.3054, 0.3241



0.0000, 0.0000, 0.0000



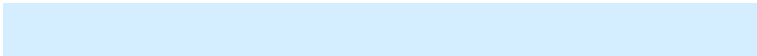
21.4041, 0.3127, 0.3290

Same Dimension

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



78.3674, 0.2912, 0.3141



81.8069, 0.2861, 0.3103



69.4845, 0.2906, 0.2961



17.5455, 0.2980, 0.3190



14.5745, 0.1855, 0.1879



1.4832, 0.1909, 0.2073

Inverse Universe

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



72.5281, 0.3240, 0.3087



74.2940, 0.3270, 0.3037



88.2037, 0.3339, 0.3599



16.6459, 0.3201, 0.3152



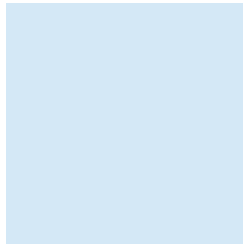
11.5707, 0.4592, 0.2303



1.0374, 0.4371, 0.2181

Previews

White Background



This preview shows how the Yxy color 78.3641, 0.2912, 0.3141 looks on a white background.

Color Contrast Check

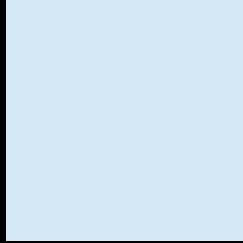
Large Text (above 18pt) WCAG AA × Fail

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 78.3641, 0.2912, 0.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

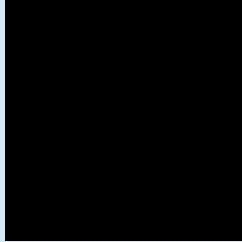
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

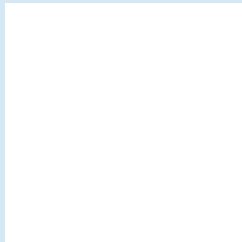
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3641, 0.2912, 0.3141

Background



This preview shows how black text looks on a background with the Yxy color 78.3641, 0.2912, 0.3141.

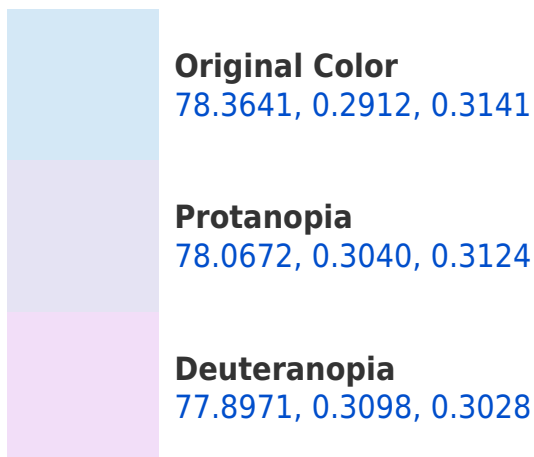


This preview shows how white text looks on a background with the Yxy color 78.3641, 0.2912, 0.3141.

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

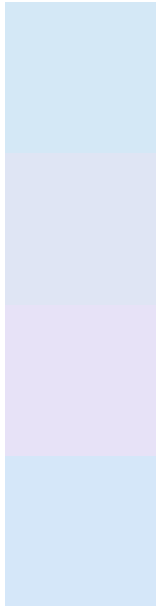




Tritanopia

78.2001, 0.2894, 0.3089

Trichromacy



Original Color

78.3641, 0.2912, 0.3141

Protanomaly

78.2583, 0.2994, 0.3133

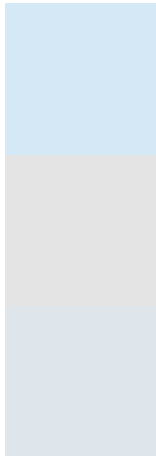
Deuteranomaly

78.0970, 0.3029, 0.3074

Tritanomaly

78.1375, 0.2900, 0.3099

Monochromacy



Original Color

78.3641, 0.2912, 0.3141

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.5664, 0.3042, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3641, 0.2912, 0.3141 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(212, 232, 246)` looks like.

```
.text, #text, p{  
    color:rgb(212, 232, 246)  
}
```

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(212, 232, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 232, 246) }
```

Border

The CSS property to change the border of an element to Yxy 78.3641, 0.2912, 0.3141 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(212, 232, 246) }
```

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

```
.border{ border-color:rgb(212, 232, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 232, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 232, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 232, 246);  
box-shadow:4px 4px 4px 4px rgb(212, 232,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3641, 0.2912, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 232, 246) }
```

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

```
.background{ background-color: rgb(212,  
232, 246) }
```

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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