

Converting Colors

$Yxy(81.5980, 0.3029, 0.3226)$

Have a look what the booklet for
Yxy(81.5980, 0.3029, 0.3226)
contains.

Yxy(81.7751, 0.3025, 0.3227)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.7751, 0.3025, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	E1EBF1
RGB	225, 235, 241
RGB Percent	88%, 92%, 95%
CMY	0.1173, 0.0785, 0.0548
CMYK	0.07, 0.03, 0.00, 0.05
HSL	203°, 36%, 91%
HSV	203°, 7%, 95%
XYZ	76.6562, 81.7751, 94.9777
YIQ	232.6940, -7.8860, -0.2540

Conversions

Conversions Part 2

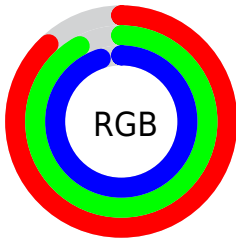
Format	Color
R _Y B	225, 231, 241
Decimal	14806001
CIE Lab	92.48, -2.15, -4.07
CIE LCh	92, 4.603, 242.119
Yxy	81.7751, 0.3025, 0.3227
Android (android.graphics.Color)	4292996081 (0xFFE1EBF1)
YUV	232.6940, 4.0949, -6.7476
Hunter-Lab	90.4296, -6.9391, 1.0287

Details

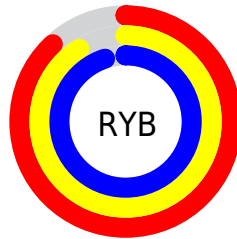
The Yxy color **81.7751, 0.3025, 0.3227** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.3602, 0.3234, 0.3352**, and the grayscale version is **81.2274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2890, 0.3004, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **73.0803, 0.2868, 0.3123**, and if you desaturate by 10%, it is **91.2918, 0.3179, 0.3320**.

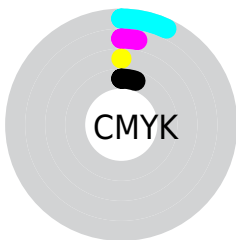
Distribution



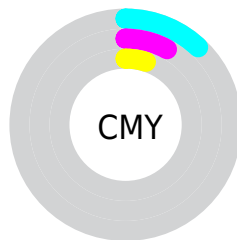
- Red (88%)
- Green (92%)
- Blue (95%)



- Red (88%)
- Yellow (91%)
- Blue (95%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (12%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7751, 0.3025, 0.3227 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 81.7751, 0.3025, 0.3227 by changing the saturation by 10% instead.

■ 81.7751, 0.3025,
0.3227

■ 81.7751, 0.3025,
0.3227

500.8951, 0.3071,
0.3256

■ 61.1802, 0.3015,
0.3221

135.8586, 0.3041,
0.3237

■ 44.3706, 0.3002,
0.3213

170.1159, 0.3047,
0.3241

■ 30.9620, 0.2986,
0.3203

209.6962, 0.3052,
0.3244

■ 20.5699, 0.2966,
0.3190

254.9837, 0.3057,
0.3247

■ 12.8100, 0.2939,
0.3172

306.3630, 0.3061,
0.3250

■ 7.2978, 0.2900,
0.3148

364.2184, 0.3065,

■ 3.6490, 0.2842,

0.3252

0.3110

428.9343, 0.3068,
0.3254

■ 1.4792, 0.2745,
0.3045

■ 0.2741, 0.1953,
0.2574

■ 81.7751, 0.3025,
0.3227

■ 81.7751, 0.3025,
0.3227

■ 73.0803, 0.2868,
0.3123

■ 91.2918, 0.3179,
0.3320

■ 65.1703, 0.2711,
0.3009

■ 98.0119, 0.3210,
0.3408

■ 58.0201, 0.2557,
0.2884

■ 99.1321, 0.3208,
0.3424

■ 51.5992, 0.2409,
0.2751

■ 45.8745, 0.2271,
0.2610

■ 40.8100, 0.2149,
0.2464

■ 36.3651, 0.2045,
0.2316

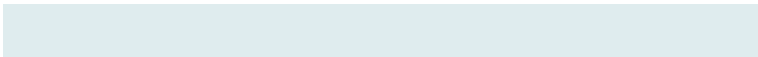
■ 32.4929, 0.1962,
0.2168

■ 29.1354, 0.1900,
0.2025

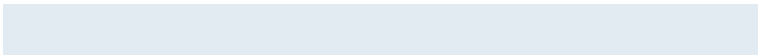
Harmonies

Analogous

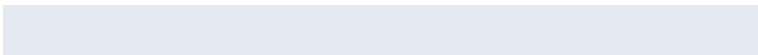
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7751, 0.3030, 0.3269



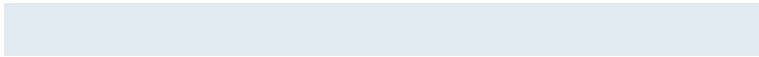
81.7751, 0.3025, 0.3227



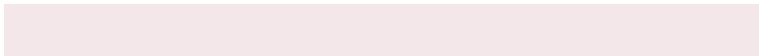
81.7751, 0.3047, 0.3202

Triad

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



81.7751, 0.3025, 0.3227



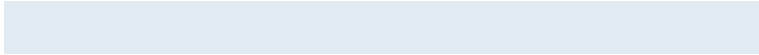
81.7751, 0.3194, 0.3263



81.7751, 0.3163, 0.3381

Complementary

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



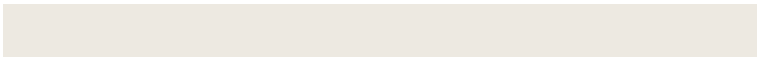
81.7751, 0.3025, 0.3227



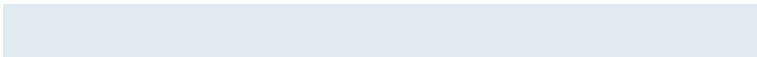
81.3602, 0.3234, 0.3352

Split Complementary

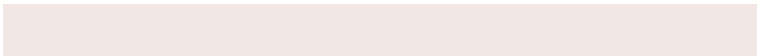
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7751, 0.3208, 0.3379



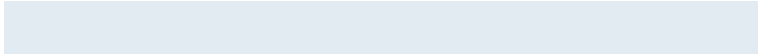
81.7751, 0.3025, 0.3227



81.7751, 0.3225, 0.3310

Square

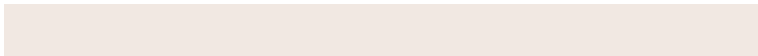
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7751, 0.3025, 0.3227



81.7751, 0.3144, 0.3223



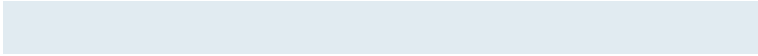
81.7751, 0.3231, 0.3352



81.7751, 0.3110, 0.3358

Rectangle

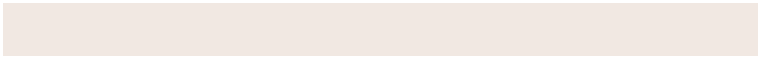
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7751, 0.3025, 0.3227



81.7751, 0.3074, 0.3199



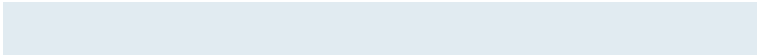
81.7751, 0.3231, 0.3352



81.7751, 0.3180, 0.3383

Sweetspot

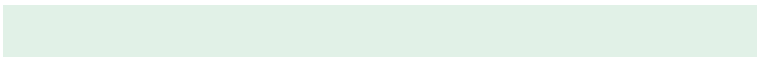
The Sweet Spot groups the original color and five complimentary colors.



81.7786, 0.3025, 0.3227



97.8195, 0.3096, 0.3271



84.7075, 0.3084, 0.3395



20.9603, 0.3098, 0.3272



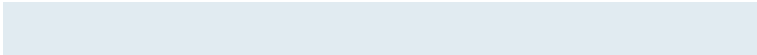
0.0000, 0.0000, 0.0000



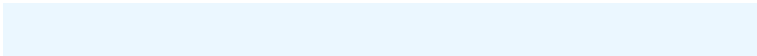
21.4041, 0.3127, 0.3290

Same Dimension

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



81.7786, 0.3025, 0.3227



91.5041, 0.3003, 0.3213



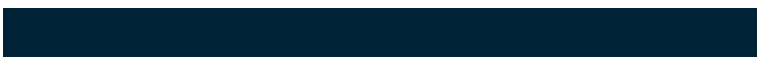
77.4205, 0.3026, 0.3145



16.8648, 0.2980, 0.3198



15.4957, 0.1889, 0.2000



1.4801, 0.1941, 0.2188

Inverse Universe

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



78.5930, 0.3174, 0.3189



87.1803, 0.3185, 0.3167



85.8159, 0.3227, 0.3431



15.9240, 0.3196, 0.3144



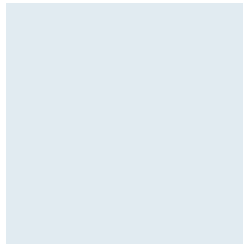
11.3576, 0.4453, 0.2227



0.9641, 0.4245, 0.2112

Previews

White Background



This preview shows how the Yxy color 81.7751, 0.3025, 0.3227 looks on a white background.

Color Contrast Check

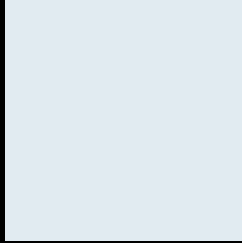
Large Text (above 18pt) WCAG AA × Fail

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 81.7751, 0.3025, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

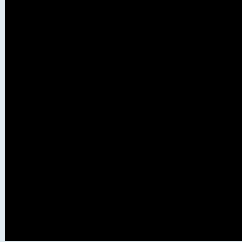
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

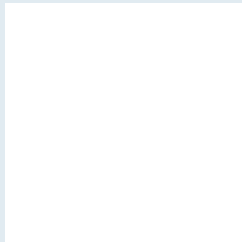
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7751, 0.3025, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 81.7751, 0.3025, 0.3227.

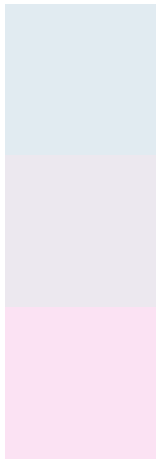


This preview shows how white text looks on a background with the Yxy color 81.7751, 0.3025, 0.3227.

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**

81.7751, 0.3025, 0.3227

Protanopia

81.7781, 0.3110, 0.3218

Deuteranopia

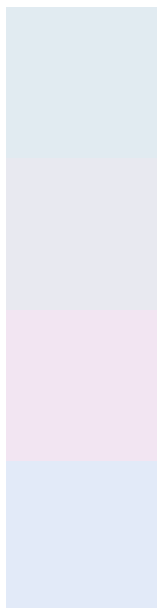
81.3730, 0.3190, 0.3122



Tritanopia

81.6370, 0.2972, 0.3095

Trichromacy



Original Color

81.7751, 0.3025, 0.3227

Protanomaly

81.7249, 0.3077, 0.3218

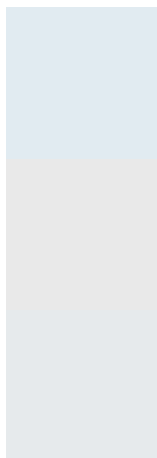
Deuteranomaly

81.3267, 0.3133, 0.3159

Tritanomaly

81.7917, 0.2989, 0.3146

Monochromacy



Original Color

81.7751, 0.3025, 0.3227

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7248, 0.3088, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7751, 0.3025, 0.3227 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(225, 235, 241)` looks like.

```
.text, #text, p{  
    color:rgb(225, 235, 241)  
}
```

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(225, 235, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 235, 241) }
```

Border

The CSS property to change the border of an element to Yxy 81.7751, 0.3025, 0.3227 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(225, 235, 241) }
```

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

```
.border{ border-color:rgb(225, 235, 241) }
```

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

Here you see how a box with a 4 pixel rgb(225, 235, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 235, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 235, 241);  
box-shadow:4px 4px 4px 4px rgb(225, 235,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7751, 0.3025, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 235, 241) }
```

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

```
.background{ background-color: rgb(225,  
235, 241) }
```

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