

Converting Colors

Yxy(81.2956, 0.2988, 0.3217)

Have a look what the booklet for
Yxy(81.2956, 0.2988, 0.3217)
contains.

Yxy(81.0431, 0.2986, 0.3216)	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(81.0431, 0.2986, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	DCEBF2
RGB	220, 235, 242
RGB Percent	86%, 92%, 95%
CMY	0.1374, 0.0784, 0.0508
CMYK	0.09, 0.03, 0.00, 0.05
HSL	199°, 46%, 91%
HSV	199°, 9%, 95%
XYZ	75.2471, 81.0431, 95.7095
YIQ	231.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

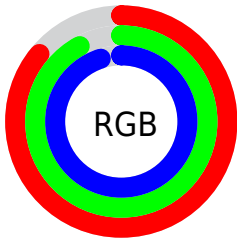
Format	Color
R _Y B	220, 229, 242
Decimal	14478322
CIE Lab	92.15, -3.62, -5.12
CIE LCh	92, 6.270, 234.708
Yxy	81.0431, 0.2986, 0.3216
Android (android.graphics.Color)	4292668402 (0xFFDCEBF2)
YUV	231.3130, 5.2687, -9.9215
Hunter-Lab	90.0239, -8.3415, -0.0178

Details

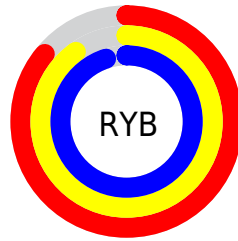
The Yxy color **81.0431, 0.2986, 0.3216** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.9844, 0.3279, 0.3363**, and the grayscale version is **80.1224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7847, 0.2955, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **73.2223, 0.2831, 0.3127**, and if you desaturate by 10%, it is **89.6086, 0.3141, 0.3297**.

Distribution



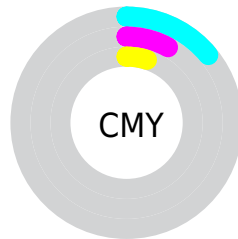
- Red (86%)
- Green (92%)
- Blue (95%)



- Red (86%)
- Yellow (90%)
- Blue (95%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (14%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0431, 0.2986, 0.3216 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 81.0431, 0.2986, 0.3216 by changing the saturation by 10% instead.

81.0431, 0.2986,
0.3216

81.0431, 0.2986,
0.3216

498.4412, 0.3050,
0.3250

60.5771, 0.2972,
0.3208

134.8313, 0.3008,
0.3228

43.8840, 0.2954,
0.3199

168.9223, 0.3016,
0.3232

30.5793, 0.2932,
0.3187

208.3237, 0.3024,
0.3236

20.2787, 0.2904,
0.3171

253.4199, 0.3030,
0.3240

12.5978, 0.2866,
0.3151

304.5954, 0.3036,
0.3243

7.1522, 0.2813,
0.3121

362.2345, 0.3041,

3.5575, 0.2734,

0.3245

0.3075

426.7217, 0.3046,
0.3248

■ 1.4292, 0.2599,
0.2995

■ 0.2381, 0.1388,
0.2398

■ 81.0431, 0.2986,
0.3216

■ 81.0431, 0.2986,
0.3216

■ 73.2223, 0.2831,
0.3127

■ 89.6086, 0.3141,
0.3297

■ 66.1102, 0.2677,
0.3029

■ 96.3072, 0.3206,
0.3371

■ 59.6826, 0.2530,
0.2923

■ 99.1930, 0.3202,
0.3415

■ 53.9100, 0.2391,
0.2811

■ 48.7602, 0.2266,
0.2693

■ 44.1973, 0.2156,
0.2572

■ 40.1810, 0.2067,
0.2449

■ 36.6639, 0.1998,
0.2326

■ 33.5749, 0.1948,
0.2207

Harmonies

Analogous

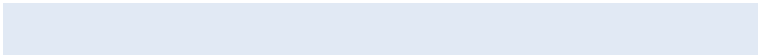
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0431, 0.3002, 0.3277



81.0431, 0.2986, 0.3216



81.0431, 0.3007, 0.3176

Triad

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



81.0431, 0.2986, 0.3216



81.0431, 0.3203, 0.3238



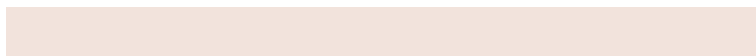
81.0431, 0.3193, 0.3417

Complementary

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



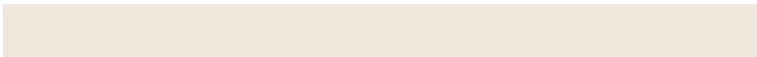
81.0431, 0.2986, 0.3216



78.9844, 0.3279, 0.3363

Split Complementary

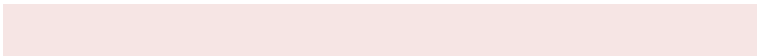
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0431, 0.3248, 0.3405



81.0431, 0.2986, 0.3216



81.0431, 0.3254, 0.3301

Square

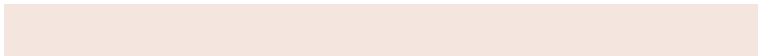
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0431, 0.2986, 0.3216



81.0431, 0.3132, 0.3189



81.0431, 0.3271, 0.3362



81.0431, 0.3121, 0.3394

Rectangle

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



81.0431, 0.2986, 0.3216



81.0431, 0.3040, 0.3166



81.0431, 0.3271, 0.3362



81.0431, 0.3214, 0.3417

Sweetspot

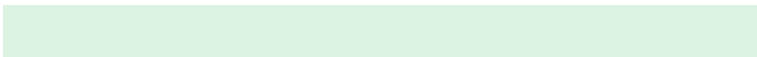
The Sweet Spot groups the original color and five complimentary colors.



81.0465, 0.2986, 0.3216



97.0337, 0.3081, 0.3266



84.2807, 0.3074, 0.3449



20.6023, 0.3068, 0.3260



0.0000, 0.0000, 0.0000



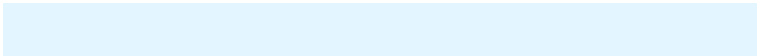
21.4041, 0.3127, 0.3290

Same Dimension

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



81.0465, 0.2986, 0.3216



89.4966, 0.2956, 0.3200



74.9423, 0.2985, 0.3099



17.0308, 0.2981, 0.3213



18.1482, 0.1949, 0.2216



1.6881, 0.1993, 0.2374

Inverse Universe

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



76.0520, 0.3184, 0.3136



82.8289, 0.3197, 0.3103



85.1934, 0.3267, 0.3474



15.9408, 0.3187, 0.3130



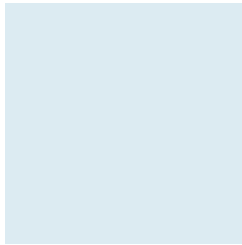
11.6254, 0.4215, 0.2096



0.9851, 0.4050, 0.2004

Previews

White Background



This preview shows how the Yxy color 81.0431, 0.2986, 0.3216 looks on a white background.

Color Contrast Check

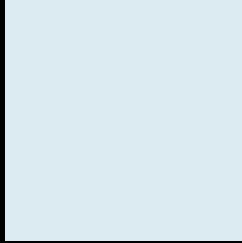
Large Text (above 18pt) WCAG AA × Fail

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 81.0431, 0.2986, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

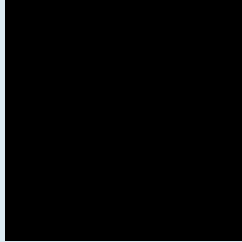
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

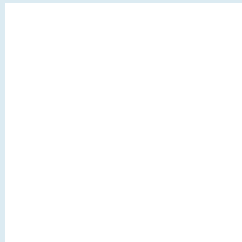
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0431, 0.2986, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 81.0431, 0.2986, 0.3216.

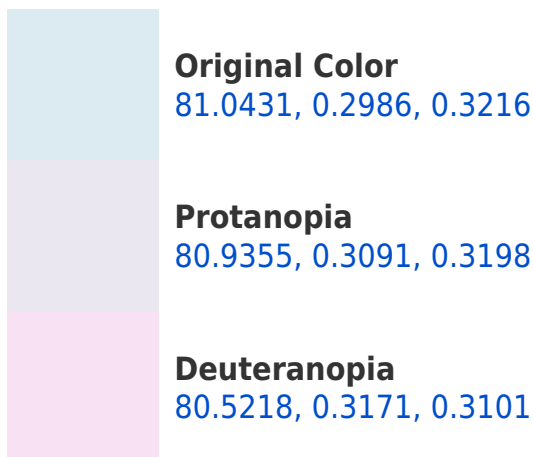


This preview shows how white text looks on a background with the Yxy color 81.0431, 0.2986, 0.3216.

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

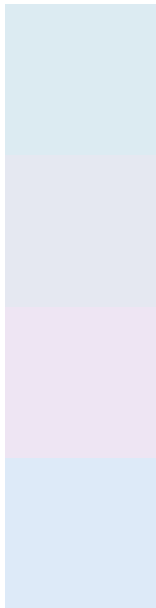




Tritanopia

80.8357, 0.2940, 0.3093

Trichromacy



Original Color

81.0431, 0.2986, 0.3216

Protanomaly

80.7221, 0.3051, 0.3197

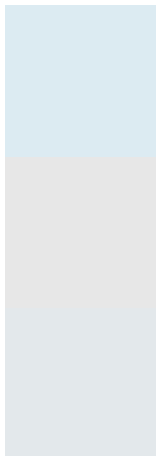
Deuteranomaly

80.6868, 0.3100, 0.3148

Tritanomaly

80.9951, 0.2957, 0.3144

Monochromacy



Original Color

81.0431, 0.2986, 0.3216

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.0423, 0.3075, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0431, 0.2986, 0.3216 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(220, 235, 242)` looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 242)  
}
```

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(220, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 242) }
```

Border

The CSS property to change the border of an element to Yxy 81.0431, 0.2986, 0.3216 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(220, 235, 242) }
```

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

```
.border{ border-color:rgb(220, 235, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 235, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0431, 0.2986, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 235, 242) }
```

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

```
.background{ background-color: rgb(220,  
235, 242) }
```

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