

Converting Colors

$Yxy(81.8244, 0.3017, 0.3274)$

Have a look what the booklet for
Yxy(81.8244, 0.3017, 0.3274)
contains.

Yxy(81.5361, 0.3017, 0.3269)	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(81.5361, 0.3017, 0.3269)

Conversions

Conversions Part 1

Format	Color
Hex	DDECEE
RGB	221, 236, 238
RGB Percent	87%, 93%, 93%
CMY	0.1332, 0.0745, 0.0668
CMYK	0.07, 0.01, 0.00, 0.07
HSL	187°, 33%, 90%
HSV	187°, 7%, 93%
XYZ	75.2507, 81.5361, 92.6354
YIQ	231.7430, -9.5820, -2.5580

Conversions

Conversions Part 2

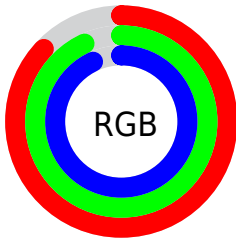
Format	Color
R _Y B	221, 229, 238
Decimal	14544110
CIE Lab	92.37, -4.56, -2.67
CIE LCh	92, 5.282, 210.330
Yxy	81.5361, 0.3017, 0.3269
Android (android.graphics.Color)	4292734190 (0xFFDDECEE)
YUV	231.7430, 3.0847, -9.4216
Hunter-Lab	90.2973, -9.2647, 2.3830

Details

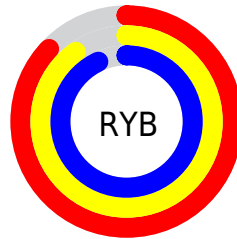
The Yxy color **81.5361, 0.3017, 0.3269** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1721, 0.3247, 0.3311**, and the grayscale version is **80.4805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1269, 0.2994, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **76.4830, 0.2866, 0.3237**, and if you desaturate by 10%, it is **87.1502, 0.3172, 0.3298**.

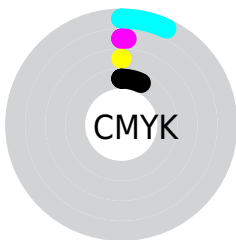
Distribution



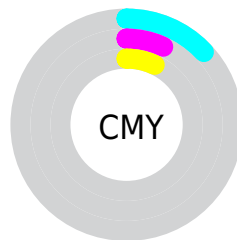
- Red (87%)
- Green (93%)
- Blue (93%)



- Red (87%)
- Yellow (90%)
- Blue (93%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5361, 0.3017, 0.3269 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 81.5361, 0.3017, 0.3269 by changing the saturation by 10% instead.

81.5361, 0.3017,
0.3269

81.5361, 0.3017,
0.3269

500.0946, 0.3067,
0.3279

60.9832, 0.3006,
0.3267

135.5233, 0.3034,
0.3272

44.2116, 0.2992,
0.3264

169.7263, 0.3041,
0.3274

30.8369, 0.2975,
0.3260

209.2483, 0.3047,
0.3275

20.4747, 0.2953,
0.3256

254.4735, 0.3052,
0.3276

12.7406, 0.2924,
0.3249

305.7863, 0.3056,
0.3277

7.2501, 0.2882,
0.3240

363.5712, 0.3060,

3.6190, 0.2819,

0.3278

0.3226

428.2125, 0.3064,
0.3278

■ 1.4628, 0.2714,
0.3200

■ 0.2623, 0.1582,
0.3007

■ 81.5361, 0.3017,
0.3269

■ 81.5361, 0.3017,
0.3269

■ 76.4830, 0.2866,
0.3237

■ 87.1502, 0.3172,
0.3298

■ 71.9584, 0.2723,
0.3203

■ 90.6586, 0.3238,
0.3325

■ 67.9419, 0.2591,
0.3166

■ 92.3144, 0.3236,
0.3352

■ 64.4076, 0.2472,
0.3128

■ 93.9951, 0.3233,
0.3379

■ 61.3277, 0.2370,
0.3088

■ 95.7010, 0.3231,
0.3405

■ 58.6709, 0.2286,
0.3047

■ 97.4321, 0.3228,
0.3431

■ 56.4019, 0.2222,
0.3006

■ 98.9512, 0.3226,
0.3454

■ 54.4794, 0.2177,
0.2965

■ 52.8498, 0.2149,
0.2925

Harmonies

Analogous

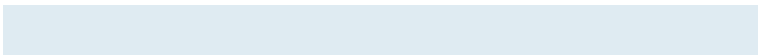
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5361, 0.3054, 0.3325



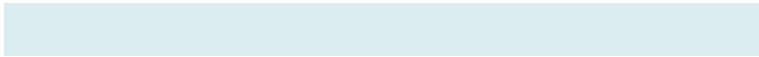
81.5361, 0.3017, 0.3269



81.5361, 0.3009, 0.3220

Triad

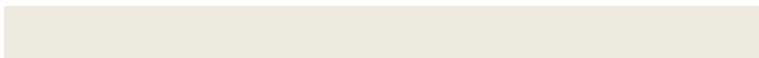
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5361, 0.3017, 0.3269



81.5361, 0.3143, 0.3211



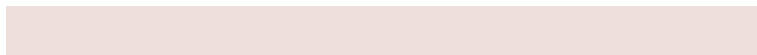
81.5361, 0.3222, 0.3391

Complementary

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



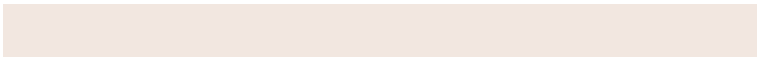
81.5361, 0.3017, 0.3269



76.1721, 0.3247, 0.3311

Split Complementary

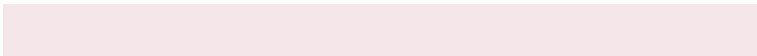
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5361, 0.3247, 0.3359



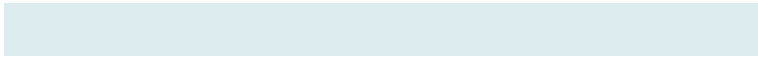
81.5361, 0.3017, 0.3269



81.5361, 0.3201, 0.3256

Square

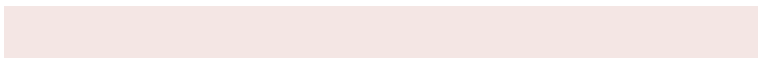
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5361, 0.3017, 0.3269



81.5361, 0.3082, 0.3187



81.5361, 0.3239, 0.3310



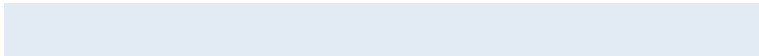
81.5361, 0.3172, 0.3395

Rectangle

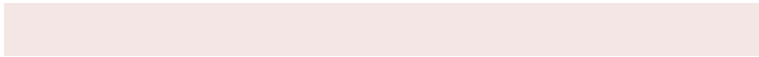
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



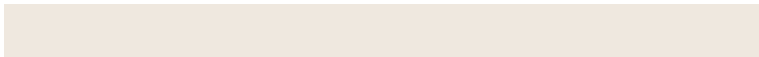
81.5361, 0.3017, 0.3269



81.5361, 0.3022, 0.3197



81.5361, 0.3239, 0.3310



81.5361, 0.3234, 0.3383

Sweetspot

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



81.5395, 0.3017, 0.3269



98.6677, 0.3096, 0.3284



81.8217, 0.3108, 0.3452



21.1329, 0.3097, 0.3285



0.0000, 0.0000, 0.0000



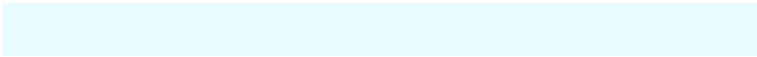
21.4041, 0.3127, 0.3290

Same Dimension

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



81.5395, 0.3017, 0.3269



94.2131, 0.2988, 0.3263



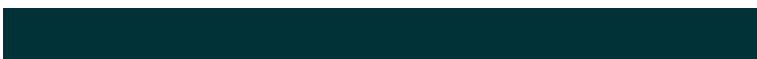
76.9307, 0.3018, 0.3182



17.5967, 0.2981, 0.3262



29.3721, 0.2144, 0.2920



2.5316, 0.2159, 0.2973

Inverse Universe

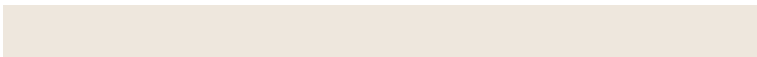
The Inverse Universe completely reimagines the original color for something new.



75.9596, 0.3148, 0.3136



86.0507, 0.3154, 0.3094



80.6554, 0.3239, 0.3396



15.9979, 0.3156, 0.3084



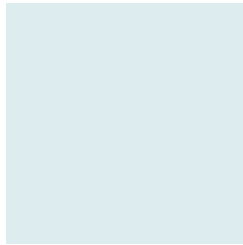
12.7585, 0.3526, 0.1716



1.0703, 0.3478, 0.1690

Previews

White Background



This preview shows how the Yxy color 81.5361, 0.3017, 0.3269 looks on a white background.

Color Contrast Check

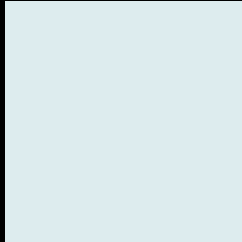
Large Text (above 18pt) WCAG AA × Fail

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 81.5361, 0.3017, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

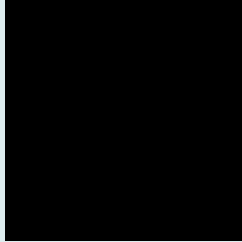
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

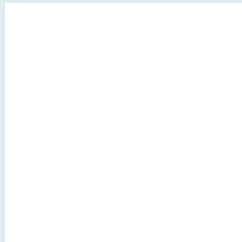
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5361, 0.3017, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 81.5361, 0.3017, 0.3269.

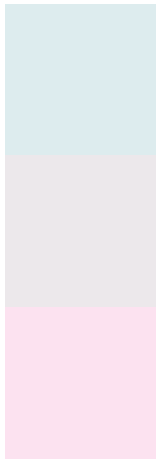


This preview shows how white text looks on a background with the Yxy color 81.5361, 0.3017, 0.3269.

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



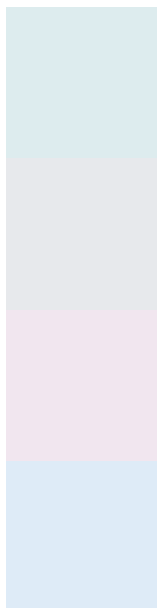
Original Color
81.5361, 0.3017, 0.3269
Protanopia
81.5443, 0.3135, 0.3259
Deuteranopia
81.3794, 0.3217, 0.3152



Tritanopia

81.5619, 0.2947, 0.3104

Trichromacy



Original Color

81.5361, 0.3017, 0.3269

Protanomaly

81.3229, 0.3095, 0.3259

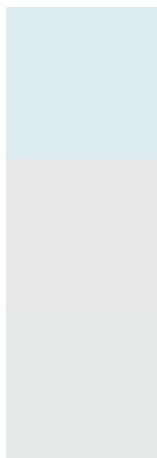
Deuteranomaly

81.5264, 0.3145, 0.3199

Tritanomaly

81.6617, 0.2970, 0.3165

Monochromacy



Original Color

81.5361, 0.3017, 0.3269

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7123, 0.3087, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5361, 0.3017, 0.3269 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(221, 236, 238)` looks like.

```
.text, #text, p{  
    color:rgb(221, 236, 238)  
}
```

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(221, 236, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 236, 238) }
```

Border

The CSS property to change the border of an element to Yxy 81.5361, 0.3017, 0.3269 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(221, 236, 238) }
```

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

```
.border{ border-color:rgb(221, 236, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 236, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 236, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 236, 238);  
box-shadow:4px 4px 4px 4px rgb(221, 236,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5361, 0.3017, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 236, 238) }
```

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

```
.background{ background-color: rgb(221,  
236, 238) }
```

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