

Converting Colors

$Y_{xy}(81.0959, 0.3220, 0.3308)$

Have a look what the booklet for
Yxy(81.0959, 0.3220, 0.3308)
contains.

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Color

Yxy(81.0723, 0.3223, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	F2E6E4
RGB	242, 230, 228
RGB Percent	95%, 90%, 89%
CMY	0.0509, 0.0980, 0.1060
CMYK	0.00, 0.05, 0.06, 0.05
HSL	9°, 35%, 92%
HSV	9°, 6%, 95%
XYZ	78.9176, 81.0723, 84.8676
YIQ	233.3600, 7.7940, 1.9220

Conversions

Conversions Part 2

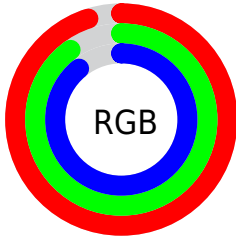
Format	Color
R _Y B	242, 230, 228
Decimal	15918820
CIE Lab	92.16, 3.72, 2.43
CIE LCh	92, 4.446, 33.136
Yxy	81.0723, 0.3223, 0.3311
Android (android.graphics.Color)	4294108900 (0xFFFF2E6E4)
YUV	233.3600, -2.6425, 7.5773
Hunter-Lab	90.0402, -1.1203, 7.1442

Details

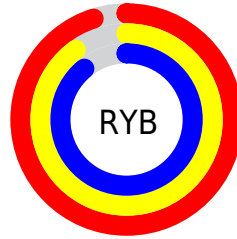
The Yxy color **81.0723, 0.3223, 0.3311** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.2085, 0.3037, 0.3269**, and the grayscale version is **81.7886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1162, 0.3242, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **68.9800, 0.3417, 0.3350**, and if you desaturate by 10%, it is **94.7276, 0.3064, 0.3275**.

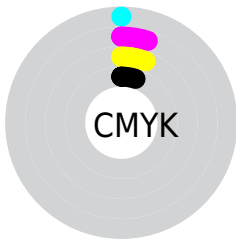
Distribution



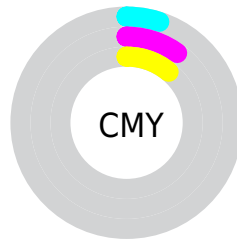
- Red (95%)
- Green (90%)
- Blue (89%)



- Red (95%)
- Yellow (90%)
- Blue (89%)



- Cyan (0%)
- Magenta (5%)
- Yellow (6%)
- Black (5%)




- Cyan (5%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0723, 0.3223, 0.3311 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 81.0723, 0.3223, 0.3311 by changing the saturation by 10% instead.


 81.0723, 0.3223,
0.3311

 81.0723, 0.3223,
0.3311


498.5392, 0.3179,
0.3302

 60.6011, 0.3233,
0.3313


134.8723, 0.3208,
0.3308

 43.9034, 0.3245,
0.3316


168.9699, 0.3202,
0.3307

 30.5945, 0.3260,
0.3319


208.3785, 0.3197,
0.3306

 20.2903, 0.3280,
0.3323


253.4824, 0.3193,
0.3305

 12.6062, 0.3306,
0.3328

304.6660, 0.3189,
0.3304

 7.1580, 0.3343,
0.3335

362.3138, 0.3185,

 3.5611, 0.3401,

0.3303

426.8100, 0.3182,
0.3302

0.3346

1.4312, 0.3499,
0.3362

0.2396, 0.4908,
0.3691

81.0723, 0.3223,
0.3311

81.0723, 0.3223,
0.3311

68.9800, 0.3417,
0.3350

94.7276, 0.3064,
0.3275

58.3847, 0.3654,
0.3390

97.6191, 0.3048,
0.3290

49.2311, 0.3942,
0.3431

41.4567, 0.4285,
0.3469

■ 34.9943, 0.4681,
0.3500

■ 29.7710, 0.5114,
0.3516

■ 25.7066, 0.5550,
0.3509

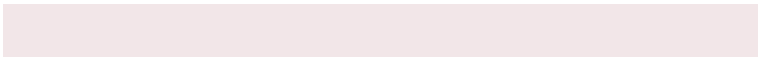
■ 22.7115, 0.5932,
0.3475

■ 20.6824, 0.6204,
0.3416

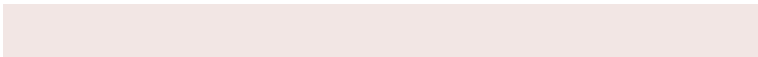
Harmonies

Analogous

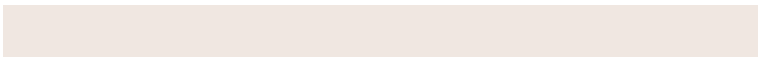
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0723, 0.3193, 0.3265



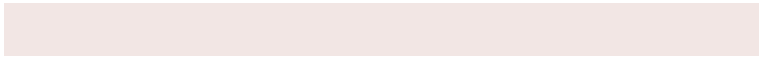
81.0723, 0.3223, 0.3311



81.0723, 0.3227, 0.3352

Triad

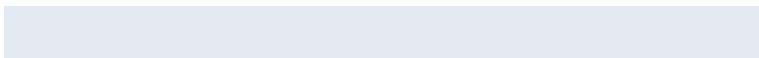
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0723, 0.3223, 0.3311



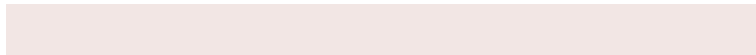
81.0723, 0.3108, 0.3355



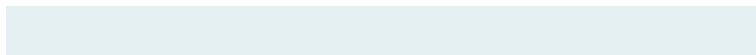
81.0723, 0.3051, 0.3205

Complementary

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



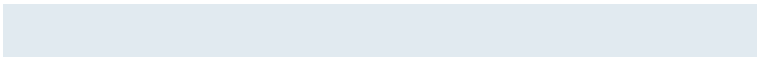
81.0723, 0.3223, 0.3311



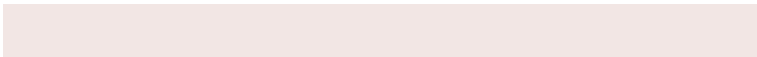
85.2085, 0.3037, 0.3269

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.



81.0723, 0.3028, 0.3228



81.0723, 0.3223, 0.3311



81.0723, 0.3062, 0.3315

Square

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



81.0723, 0.3223, 0.3311



81.0723, 0.3160, 0.3378



81.0723, 0.3032, 0.3268



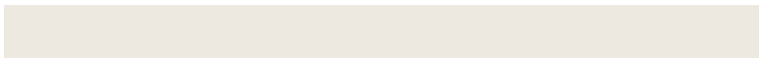
81.0723, 0.3094, 0.3204

Rectangle

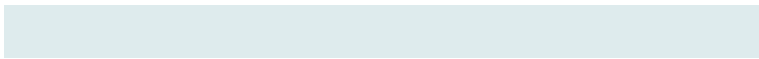
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



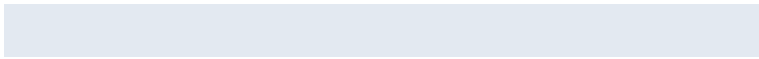
81.0723, 0.3223, 0.3311



81.0723, 0.3214, 0.3370



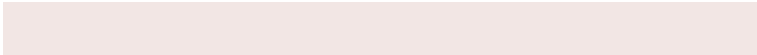
81.0723, 0.3032, 0.3268



81.0723, 0.3041, 0.3210

Sweetspot

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



81.0758, 0.3223, 0.3311



96.9244, 0.3159, 0.3297



80.6509, 0.3146, 0.3167



20.7781, 0.3157, 0.3297



0.0000, 0.0000, 0.0000



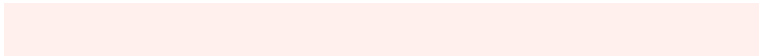
21.4041, 0.3127, 0.3290

Same Dimension

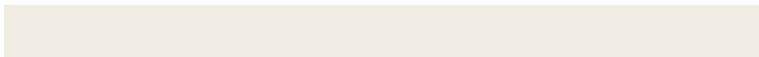
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0758, 0.3223, 0.3311



89.5469, 0.3245, 0.3316



84.9684, 0.3217, 0.3380



16.6251, 0.3255, 0.3318



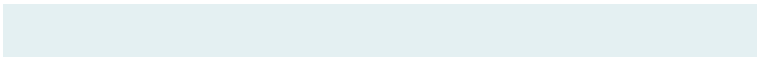
10.9057, 0.6265, 0.3407



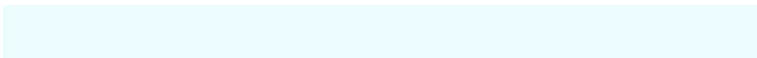
1.0199, 0.6050, 0.3578

Inverse Universe

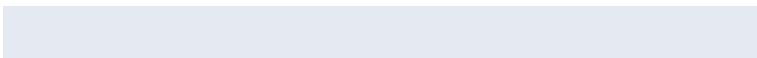
The Inverse Universe completely reimagines the original color for something new.



85.2085, 0.3037, 0.3269



95.1327, 0.3018, 0.3264



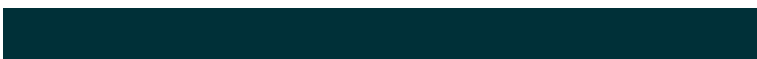
81.2472, 0.3038, 0.3198



17.7502, 0.3010, 0.3262



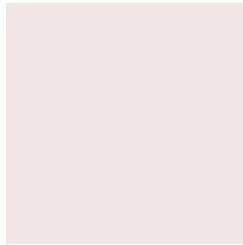
27.5653, 0.2118, 0.2824



2.3987, 0.2137, 0.2892

Previews

White Background



This preview shows how the Yxy color 81.0723, 0.3223, 0.3311 looks on a white background.

Color Contrast Check

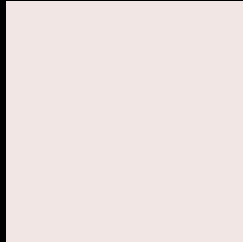
Large Text (above 18pt) WCAG AA × Fail

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 81.0723, 0.3223, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

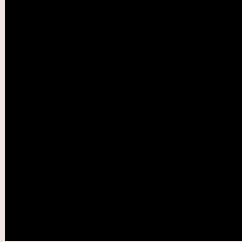
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

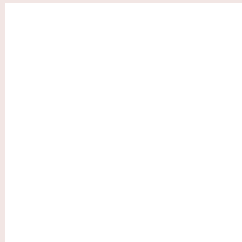
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0723, 0.3223, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 81.0723, 0.3223, 0.3311.

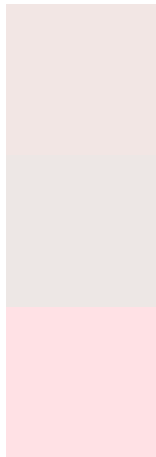


This preview shows how white text looks on a background with the Yxy color 81.0723, 0.3223, 0.3311.

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

81.0723, 0.3223, 0.3311

Protanopia

80.8135, 0.3181, 0.3311

Deuteranopia

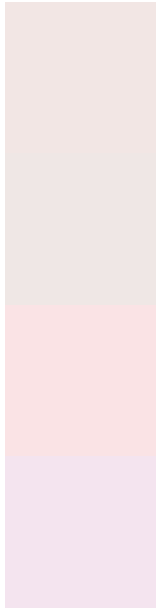
80.7676, 0.3313, 0.3251



Tritanopia

80.9432, 0.3136, 0.3110

Trichromacy



Original Color

81.0723, 0.3223, 0.3311

Protanomaly

81.1597, 0.3195, 0.3311

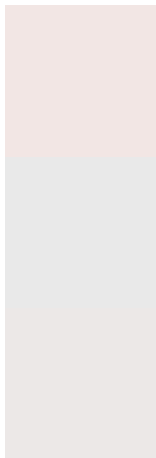
Deuteranomaly

80.9193, 0.3275, 0.3270

Tritanomaly

80.9519, 0.3167, 0.3179

Monochromacy



Original Color

81.0723, 0.3223, 0.3311

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.3156, 0.3161, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0723, 0.3223, 0.3311 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(242, 230, 228)` looks like.

```
.text, #text, p{  
    color:rgb(242, 230, 228)  
}
```

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(242, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 230, 228) }
```

Border

The CSS property to change the border of an element to Yxy 81.0723, 0.3223, 0.3311 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(242, 230, 228) }
```

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

```
.border{ border-color:rgb(242, 230, 228) }
```

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

Here you see how a box with a 4 pixel rgb(242, 230, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 230, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 230, 228);  
box-shadow:4px 4px 4px 4px rgb(242, 230,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0723, 0.3223, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 230, 228) }
```

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

```
.background{ background-color: rgb(242,  
230, 228) }
```

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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