

Converting Colors

$Yxy(80.0544, 0.3247, 0.3369)$

Have a look what the booklet for
Yxy(80.0544, 0.3247, 0.3369)
contains.

Yxy(80.3928, 0.3248, 0.3373)	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(80.3928, 0.3248, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	F0E6DE
RGB	240, 230, 222
RGB Percent	94%, 90%, 87%
CMY	0.0588, 0.0980, 0.1295
CMYK	0.00, 0.04, 0.08, 0.06
HSL	27°, 37%, 91%
HSV	27°, 8%, 94%
XYZ	77.4135, 80.3928, 80.5358
YIQ	232.0780, 8.5280, -0.3680

Conversions

Conversions Part 2

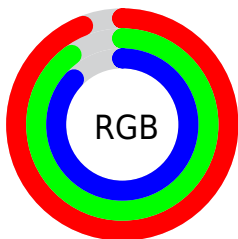
Format	Color
R_{YB}	240, 236, 222
Decimal	15787742
CIE Lab	91.86, 2.02, 5.09
CIE LCh	92, 5.482, 68.326
Yxy	80.3928, 0.3248, 0.3373
Android (android.graphics.Color)	4293977822 (0xFFFF0E6DE)
YUV	232.0780, -4.9685, 6.9476
Hunter-Lab	89.6620, -2.7930, 9.5082

Details

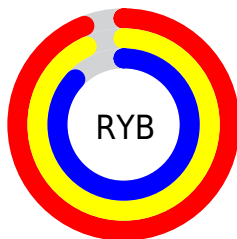
The Yxy color **80.3928, 0.3248, 0.3373** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.5170, 0.3011, 0.3206**, and the grayscale version is **80.7916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6403, 0.3275, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **72.0724, 0.3431, 0.3490**, and if you desaturate by 10%, it is **89.4690, 0.3090, 0.3263**.

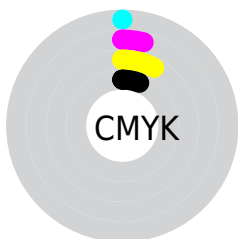
Distribution



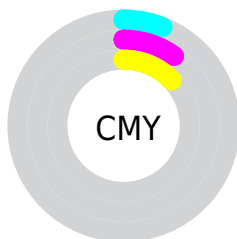
- Red (94%)
- Green (90%)
- Blue (87%)



- Red (94%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (6%)




- Cyan (6%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3928, 0.3248, 0.3373 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 80.3928, 0.3248, 0.3373 by changing the saturation by 10% instead.

 80.3928, 0.3248,
0.3373

 80.3928, 0.3248,
0.3373


496.2556, 0.3193,
0.3336

 60.0416, 0.3260,
0.3381


133.9178, 0.3229,
0.3360

 43.4522, 0.3276,
0.3392


167.8605, 0.3222,
0.3355

 30.2401, 0.3295,
0.3404


207.1025, 0.3215,
0.3351

 20.0209, 0.3320,
0.3421

252.0282, 0.3210,
0.3347

 12.4102, 0.3353,
0.3443

303.0219, 0.3205,
0.3344

 7.0237, 0.3401,
0.3475

360.4681, 0.3200,

 3.4769, 0.3473,

0.3341

424.7512, 0.3196,
0.3338

0.3522

■ 1.3855, 0.3598,
0.3601

■ 0.2060, 0.5435,
0.4565

■ 80.3928, 0.3248,
0.3373

■ 80.3928, 0.3248,
0.3373

■ 72.0724, 0.3431,
0.3490

■ 89.4690, 0.3090,
0.3263

■ 64.4770, 0.3641,
0.3611

■ 97.2641, 0.3035,
0.3290

■ 57.5889, 0.3881,
0.3733

■ 51.3856, 0.4148,
0.3849

■ 45.8434, 0.4438,
0.3950

■ 40.9370, 0.4741,
0.4024

■ 36.6387, 0.5040,
0.4056

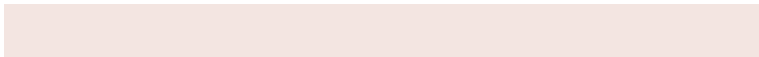
■ 32.9181, 0.5313,
0.4037

■ 29.7391, 0.5540,
0.3964

Harmonies

Analogous

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



80.3928, 0.3249, 0.3325



80.3928, 0.3248, 0.3373



80.3928, 0.3214, 0.3399

Triad

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



80.3928, 0.3248, 0.3373



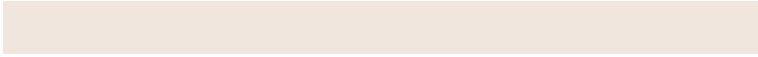
80.3928, 0.3038, 0.3311



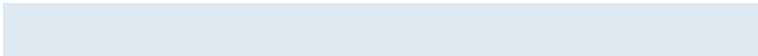
80.3928, 0.3096, 0.3187

Complementary

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



80.3928, 0.3248, 0.3373



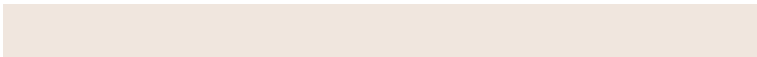
79.5170, 0.3011, 0.3206

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.



80.3928, 0.3040, 0.3182



80.3928, 0.3248, 0.3373



80.3928, 0.3007, 0.3253

Square

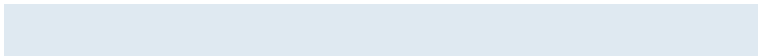
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3928, 0.3248, 0.3373



80.3928, 0.3093, 0.3363



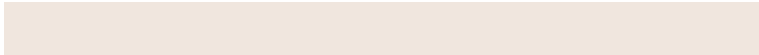
80.3928, 0.3008, 0.3206



80.3928, 0.3161, 0.3219

Rectangle

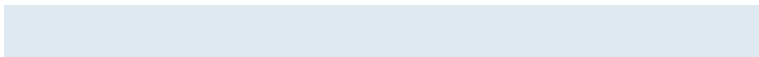
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3928, 0.3248, 0.3373



80.3928, 0.3178, 0.3400



80.3928, 0.3008, 0.3206



80.3928, 0.3076, 0.3182

Sweetspot

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



80.3963, 0.3248, 0.3373



97.8846, 0.3158, 0.3312



76.5981, 0.3187, 0.3185



20.9736, 0.3157, 0.3311



0.0000, 0.0000, 0.0000



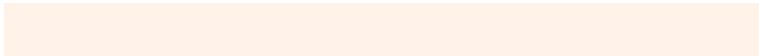
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3963, 0.3248, 0.3373



90.7561, 0.3274, 0.3390



85.4094, 0.3240, 0.3462



16.9180, 0.3282, 0.3396



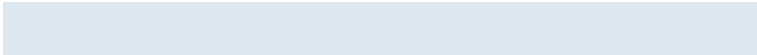
16.1433, 0.5566, 0.3963



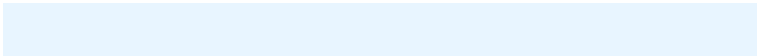
1.5385, 0.5341, 0.4142

Inverse Universe

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



79.5170, 0.3011, 0.3206



89.5540, 0.2987, 0.3188



74.6955, 0.3012, 0.3112



16.6824, 0.2980, 0.3182



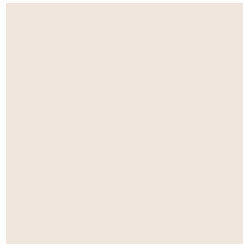
12.9102, 0.1824, 0.1764



1.2722, 0.1884, 0.1982

Previews

White Background



This preview shows how the Yxy color 80.3928, 0.3248, 0.3373 looks on a white background.

Color Contrast Check

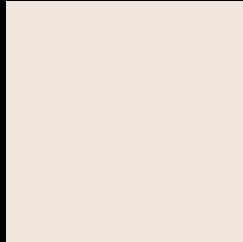
Large Text (above 18pt) WCAG AA × Fail

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 80.3928, 0.3248, 0.3373 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

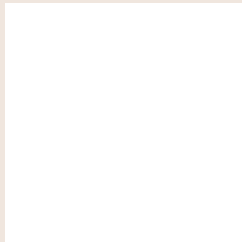
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3928, 0.3248, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 80.3928, 0.3248, 0.3373.

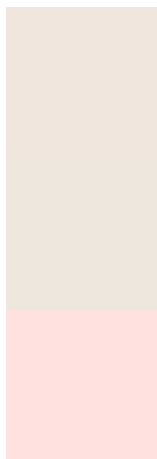


This preview shows how white text looks on a background with the Yxy color 80.3928, 0.3248, 0.3373.

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

80.3928, 0.3248, 0.3373

Protanopia

80.6029, 0.3233, 0.3383

Deuteranopia

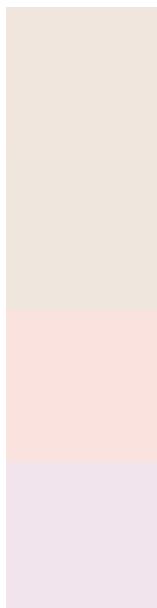
80.4922, 0.3347, 0.3301



Tritanopia

80.5245, 0.3128, 0.3119

Trichromacy



Original Color

80.3928, 0.3248, 0.3373

Protanomaly

80.7765, 0.3240, 0.3383

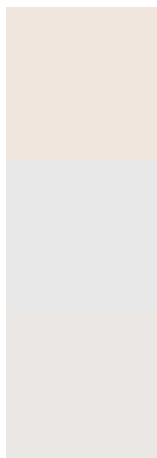
Deuteranomaly

80.5899, 0.3315, 0.3331

Tritanomaly

80.4202, 0.3172, 0.3209

Monochromacy



Original Color

80.3928, 0.3248, 0.3373

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.4154, 0.3174, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3928, 0.3248, 0.3373 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(240, 230, 222)` looks like.

```
.text, #text, p{  
    color:rgb(240, 230, 222)  
}
```

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(240, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 222) }
```

Border

The CSS property to change the border of an element to Yxy 80.3928, 0.3248, 0.3373 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(240, 230, 222) }
```

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

```
.border{ border-color:rgb(240, 230, 222) }
```

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

Here you see how a box with a 4 pixel rgb(240, 230, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3928, 0.3248, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 230, 222) }
```

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

```
.background{ background-color: rgb(240,  
230, 222) }
```

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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