

Converting Colors

$Y_{xy}(83.4204, 0.3285, 0.3394)$

Have a look what the booklet for
Yxy(83.4204, 0.3285, 0.3394)
contains.

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Color

Yxy(83.3797, 0.3287, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	F7E9DF
RGB	247, 233, 223
RGB Percent	97%, 91%, 87%
CMY	0.0316, 0.0862, 0.1256
CMYK	0.00, 0.06, 0.10, 0.03
HSL	25°, 60%, 92%
HSV	25°, 10%, 97%
XYZ	80.7987, 83.3797, 81.6344
YIQ	236.0460, 11.5540, -0.1420

Conversions

Conversions Part 2

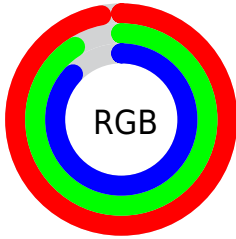
Format	Color
R _Y B	247, 240, 223
Decimal	16247263
CIE Lab	93.18, 3.05, 6.55
CIE LCh	93, 7.224, 65.063
Yxy	83.3797, 0.3287, 0.3392
Android (android.graphics.Color)	4294437343 (0xFF7E9DF)
YUV	236.0460, -6.4317, 9.6067
Hunter-Lab	91.3125, -1.8495, 10.9128

Details

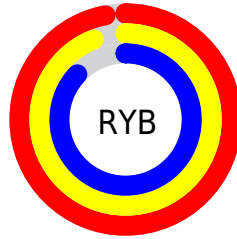
The Yxy color $83.3797, 0.3287, 0.3392$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $82.9073, 0.2977, 0.3186$, and the grayscale version is $83.9577, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.3478, 0.3327, 0.3407$ is the 20% darker color. If you saturate the color by 10%, you get $74.3523, 0.3478, 0.3503$, and if you desaturate by 10%, it is $93.2688, 0.3123, 0.3287$.

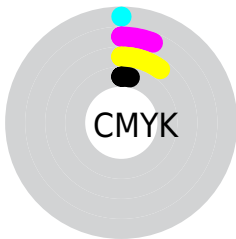
Distribution



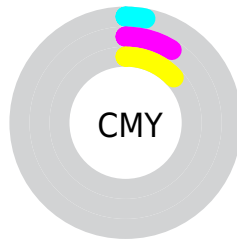
- Red (97%)
- Green (91%)
- Blue (87%)



- Red (97%)
- Yellow (94%)
- Blue (87%)



- Cyan (0%)
- Magenta (6%)
- Yellow (10%)
- Black (3%)




- Cyan (3%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3797, 0.3287, 0.3392 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 83.3797, 0.3287, 0.3392 by changing the saturation by 10% instead.


 83.3797, 0.3287,
0.3392

 83.3797, 0.3287,
0.3392

506.2511, 0.3215,
0.3346

 62.5034, 0.3303,
0.3402


138.1071, 0.3262,
0.3376

 45.4396, 0.3323,
0.3414

172.7271, 0.3252,
0.3370

 31.8038, 0.3348,
0.3430


212.6971, 0.3244,
0.3365

 21.2117, 0.3380,
0.3449

258.4015, 0.3237,
0.3360

 13.2788, 0.3423,
0.3476

310.2247, 0.3230,
0.3356

 7.6208, 0.3484,
0.3512

368.5511, 0.3224,

 3.8533, 0.3576,

0.3353

0.3566

433.7651, 0.3219,
0.3349

■ 1.5918, 0.3730,
0.3653

■ 0.3521, 0.5374,
0.4626

■ 83.3797, 0.3287,
0.3392

■ 83.3797, 0.3287,
0.3392

■ 74.3523, 0.3478,
0.3503

■ 93.2688, 0.3123,
0.3287

■ 66.1517, 0.3699,
0.3619

■ 98.5037, 0.3078,
0.3290

■ 58.7563, 0.3950,
0.3733

■ 52.1395, 0.4231,
0.3841

■ 46.2732, 0.4537,
0.3930

■ 41.1269, 0.4853,
0.3990

■ 36.6678, 0.5162,
0.4006

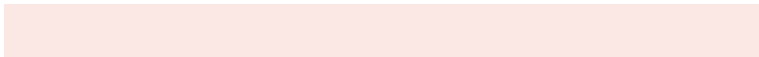
■ 32.8593, 0.5438,
0.3968

■ 29.6538, 0.5665,
0.3881

Harmonies

Analogous

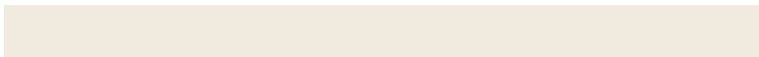
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3797, 0.3284, 0.3328



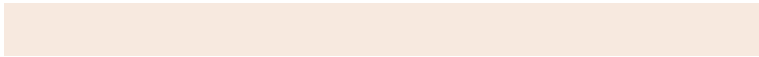
83.3797, 0.3287, 0.3392



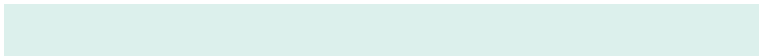
83.3797, 0.3247, 0.3430

Triad

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



83.3797, 0.3287, 0.3392



83.3797, 0.3018, 0.3325



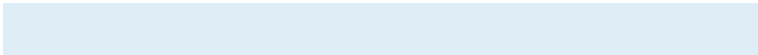
83.3797, 0.3078, 0.3154

Complementary

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



83.3797, 0.3287, 0.3392



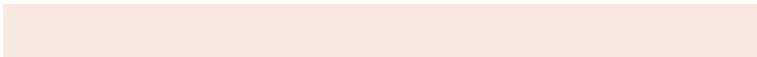
82.9073, 0.2977, 0.3186

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.



83.3797, 0.3008, 0.3152



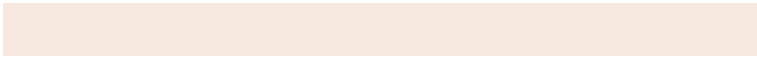
83.3797, 0.3287, 0.3392



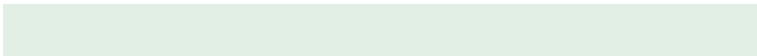
83.3797, 0.2973, 0.3249

Square

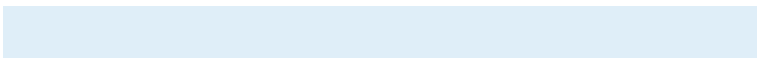
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3797, 0.3287, 0.3392



83.3797, 0.3091, 0.3392



83.3797, 0.2970, 0.3186



83.3797, 0.3162, 0.3192

Rectangle

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



83.3797, 0.3287, 0.3392



83.3797, 0.3202, 0.3435



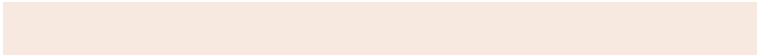
83.3797, 0.2970, 0.3186



83.3797, 0.3052, 0.3149

Sweetspot

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



83.3834, 0.3287, 0.3392



96.7147, 0.3174, 0.3321



78.6422, 0.3204, 0.3150



20.5161, 0.3187, 0.3329



0.0000, 0.0000, 0.0000



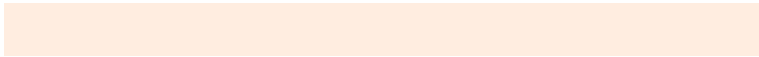
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3834, 0.3287, 0.3392



87.3634, 0.3329, 0.3417



90.3626, 0.3274, 0.3510



17.6240, 0.3283, 0.3390



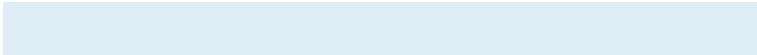
15.9109, 0.5643, 0.3901



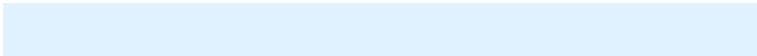
1.5968, 0.5420, 0.4079

Inverse Universe

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



82.9073, 0.2977, 0.3186



86.7387, 0.2940, 0.3159



76.2368, 0.2976, 0.3060



17.5258, 0.2980, 0.3188



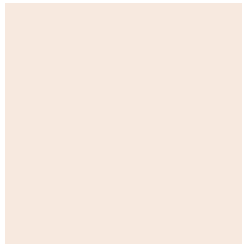
14.3021, 0.1849, 0.1855



1.4599, 0.1903, 0.2052

Previews

White Background



This preview shows how the Yxy color 83.3797, 0.3287, 0.3392 looks on a white background.

Color Contrast Check

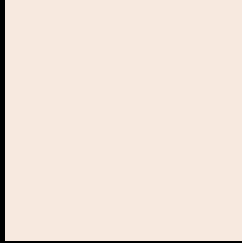
Large Text (above 18pt) WCAG AA × Fail

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 83.3797, 0.3287, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

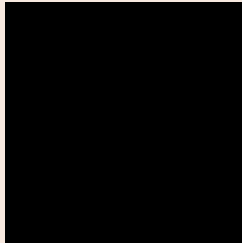
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

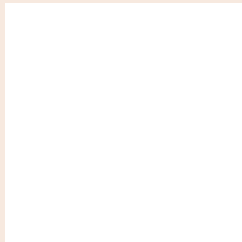
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3797, 0.3287, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 83.3797, 0.3287, 0.3392.

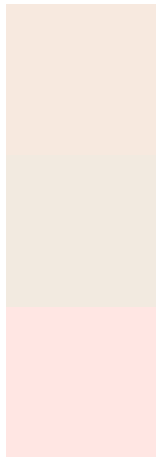


This preview shows how white text looks on a background with the Yxy color 83.3797, 0.3287, 0.3392.

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

83.3797, 0.3287, 0.3392

Protanopia

83.1047, 0.3245, 0.3392

Deuteranopia

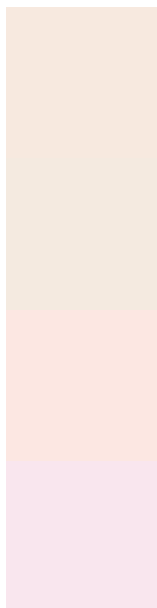
83.3997, 0.3320, 0.3320



Tritanopia

83.0780, 0.3156, 0.3113

Trichromacy



Original Color

83.3797, 0.3287, 0.3392

Protanomaly

83.4606, 0.3259, 0.3392

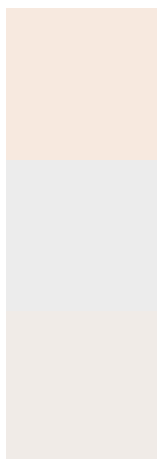
Deuteranomaly

83.3383, 0.3305, 0.3340

Tritanomaly

82.9064, 0.3206, 0.3211

Monochromacy



Original Color

83.3797, 0.3287, 0.3392

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7114, 0.3186, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3797, 0.3287, 0.3392 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(247, 233, 223)` looks like.

```
.text, #text, p{  
    color:rgb(247, 233, 223)  
}
```

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(247, 233, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 233, 223) }
```

Border

The CSS property to change the border of an element to Yxy 83.3797, 0.3287, 0.3392 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(247, 233, 223) }
```

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

```
.border{ border-color:rgb(247, 233, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 233, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 233, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 233, 223);  
box-shadow:4px 4px 4px 4px rgb(247, 233,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3797, 0.3287, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 233, 223) }
```

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

```
.background{ background-color: rgb(247,  
233, 223) }
```

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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