

Converting Colors

$Yxy(83.7735, 0.3289, 0.3338)$

Have a look what the booklet for
Yxy(83.7735, 0.3289, 0.3338)
contains.

Yxy(83.7685, 0.3290, 0.3340)	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(83.7685, 0.3290, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	FBE8E3
RGB	251, 232, 227
RGB Percent	98%, 91%, 89%
CMY	0.0156, 0.0902, 0.1096
CMYK	0.00, 0.08, 0.10, 0.02
HSL	12°, 75%, 94%
HSV	12°, 10%, 98%
XYZ	82.5145, 83.7685, 84.5209
YIQ	237.1110, 12.9290, 2.4730

Conversions

Conversions Part 2

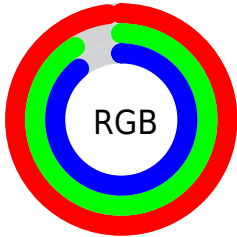
Format	Color
R _Y B	251, 233, 227
Decimal	16509155
CIE Lab	93.35, 5.64, 4.73
CIE LCh	93, 7.362, 39.938
Yxy	83.7685, 0.3290, 0.3340
Android (android.graphics.Color)	4294699235 (0xFFFB E8E3)
YUV	237.1110, -4.9847, 12.1807
Hunter-Lab	91.5251, 0.7577, 9.3149

Details

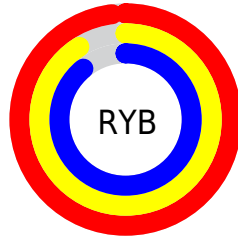
The Yxy color $83.7685, 0.3290, 0.3340$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $89.2536, 0.2979, 0.3239$, and the grayscale version is $84.8153, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.4986, 0.3321, 0.3342$ is the 20% darker color. If you saturate the color by 10%, you get $71.9024, 0.3495, 0.3396$, and if you desaturate by 10%, it is $97.1144, 0.3120, 0.3288$.

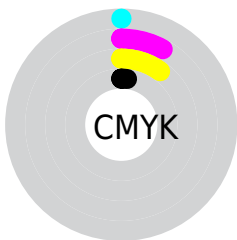
Distribution



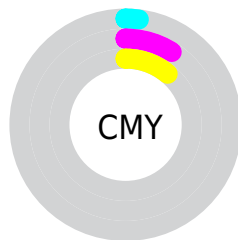
- Red (98%)
- Green (91%)
- Blue (89%)



- Red (98%)
- Yellow (91%)
- Blue (89%)



- Cyan (0%)
- Magenta (8%)
- Yellow (10%)
- Black (2%)





- Cyan (2%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7685, 0.3290, 0.3340 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 83.7685, 0.3290, 0.3340 by changing the saturation by 10% instead.


 83.7685, 0.3290,
0.3340

 83.7685, 0.3290,
0.3340

507.5442, 0.3216,
0.3318

 62.8243, 0.3307,
0.3345

138.6513, 0.3265,
0.3333

 45.6991, 0.3327,
0.3351


173.3587, 0.3255,
0.3330

 32.0084, 0.3352,
0.3358


213.4226, 0.3246,
0.3327

 21.3679, 0.3385,
0.3367

259.2275, 0.3239,
0.3325

 13.3932, 0.3429,
0.3379

311.1577, 0.3232,
0.3323

 7.6999, 0.3491,
0.3395

369.5976, 0.3226,

 3.9035, 0.3584,

0.3321

0.3418

434.9316, 0.3221,
0.3319

■ 1.6197, 0.3743,
0.3454

■ 0.3709, 0.5246,
0.3968

■ 83.7685, 0.3290,
0.3340

■ 83.7685, 0.3290,
0.3340

■ 71.9024, 0.3495,
0.3396

■ 97.1144, 0.3120,
0.3288

■ 61.4540, 0.3743,
0.3454

■ 99.2528, 0.3103,
0.3290

■ 52.3733, 0.4039,
0.3512

■ 44.6029, 0.4385,
0.3564

■ 38.0815, 0.4776,
0.3603

■ 32.7426, 0.5191,
0.3619

■ 28.5133, 0.5595,
0.3603

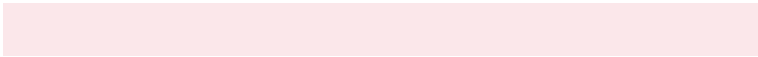
■ 25.3123, 0.5939,
0.3550

■ 23.0407, 0.6182,
0.3469

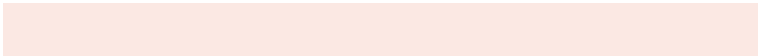
Harmonies

Analogous

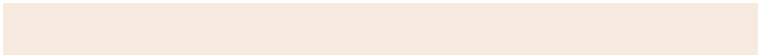
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7685, 0.3250, 0.3266



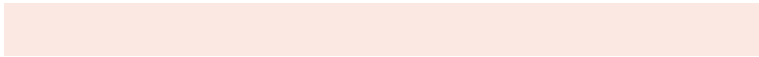
83.7685, 0.3290, 0.3340



83.7685, 0.3286, 0.3402

Triad

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



83.7685, 0.3290, 0.3340



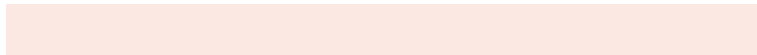
83.7685, 0.3077, 0.3384



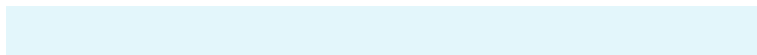
83.7685, 0.3015, 0.3147

Complementary

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



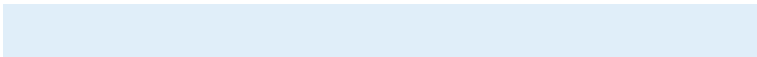
83.7685, 0.3290, 0.3340



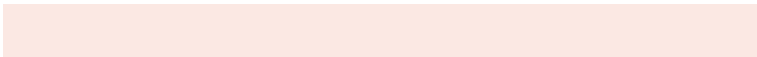
89.2536, 0.2979, 0.3239

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.



83.7685, 0.2971, 0.3176



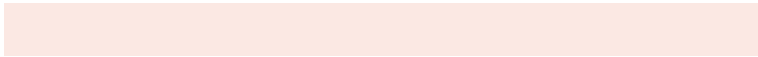
83.7685, 0.3290, 0.3340



83.7685, 0.3006, 0.3313

Square

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



83.7685, 0.3290, 0.3340



83.7685, 0.3162, 0.3429



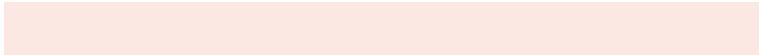
83.7685, 0.2967, 0.3237



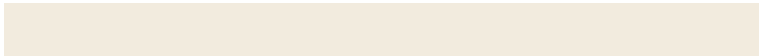
83.7685, 0.3090, 0.3156

Rectangle

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



83.7685, 0.3290, 0.3340



83.7685, 0.3259, 0.3429



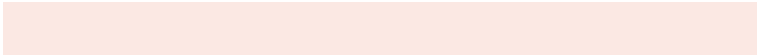
83.7685, 0.2967, 0.3237



83.7685, 0.2996, 0.3153

Sweetspot

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



83.7722, 0.3290, 0.3340



95.7058, 0.3175, 0.3305



82.1405, 0.3169, 0.3101



20.2444, 0.3188, 0.3309



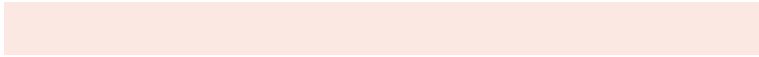
0.0000, 0.0000, 0.0000



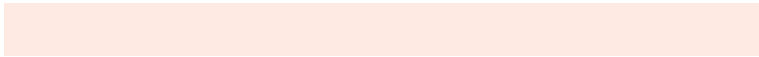
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7722, 0.3290, 0.3340



84.9382, 0.3318, 0.3348



90.6574, 0.3277, 0.3456



17.8062, 0.3289, 0.3340



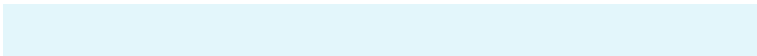
12.2316, 0.6166, 0.3486



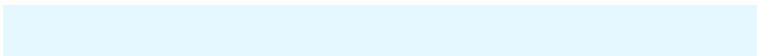
1.2774, 0.5948, 0.3659

Inverse Universe

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



89.2536, 0.2979, 0.3239



91.4194, 0.2957, 0.3231



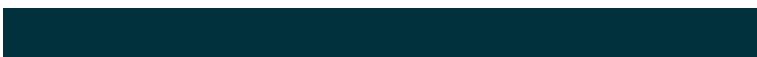
82.2826, 0.2978, 0.3118



18.9635, 0.2980, 0.3240



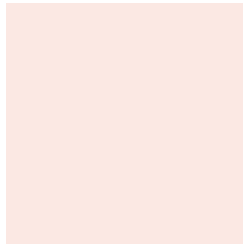
25.3778, 0.2059, 0.2611



2.4983, 0.2084, 0.2701

Previews

White Background



This preview shows how the Yxy color 83.7685, 0.3290, 0.3340 looks on a white background.

Color Contrast Check

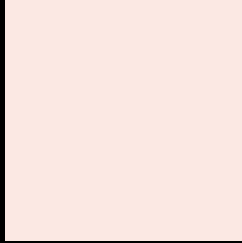
Large Text (above 18pt) WCAG AA × Fail

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 83.7685, 0.3290, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

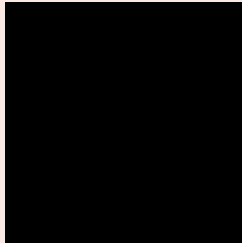
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

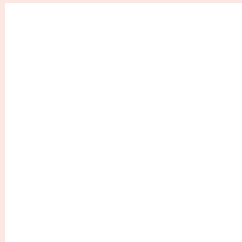
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7685, 0.3290, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 83.7685, 0.3290, 0.3340.

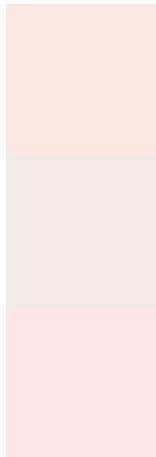


This preview shows how white text looks on a background with the Yxy color 83.7685, 0.3290, 0.3340.

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

83.7685, 0.3290, 0.3340

Protanopia

83.9510, 0.3212, 0.3351

Deuteranopia

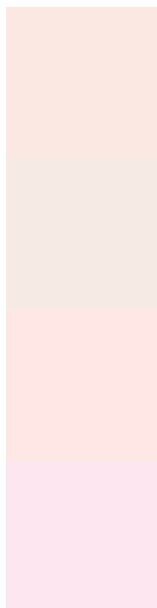
83.5668, 0.3300, 0.3291



Tritanopia

83.8249, 0.3183, 0.3114

Trichromacy



Original Color

83.7685, 0.3290, 0.3340

Protanomaly

83.8596, 0.3240, 0.3351

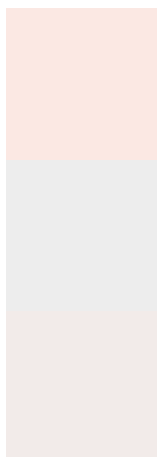
Deuteranomaly

83.8798, 0.3299, 0.3310

Tritanomaly

83.7675, 0.3221, 0.3192

Monochromacy



Original Color

83.7685, 0.3290, 0.3340

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.1771, 0.3187, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7685, 0.3290, 0.3340 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(251, 232, 227)` looks like.

```
.text, #text, p{  
    color:rgb(251, 232, 227)  
}
```

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(251, 232, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 232, 227) }
```

Border

The CSS property to change the border of an element to Yxy 83.7685, 0.3290, 0.3340 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(251, 232, 227) }
```

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

```
.border{ border-color:rgb(251, 232, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 232, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 232, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 232, 227);  
box-shadow:4px 4px 4px 4px rgb(251, 232,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7685, 0.3290, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 232, 227) }
```

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

```
.background{ background-color: rgb(251,  
232, 227) }
```

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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