

Converting Colors

$Y_{xy}(86.0576, 0.3273, 0.3443)$

Have a look what the booklet for
Yxy(86.0576, 0.3273, 0.3443)
contains.

Yxy(86.0696, 0.3275, 0.3442)	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(86.0696, 0.3275, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	F6EEDF
RGB	246, 238, 223
RGB Percent	96%, 93%, 87%
CMY	0.0353, 0.0666, 0.1256
CMYK	0.00, 0.03, 0.09, 0.04
HSL	39°, 56%, 92%
HSV	39°, 9%, 96%
XYZ	81.8936, 86.0696, 82.0937
YIQ	238.6820, 9.5830, -2.9690

Conversions

Conversions Part 2

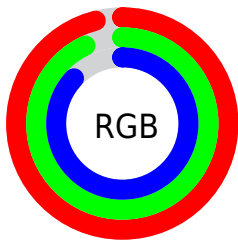
Format	Color
R _Y B	235, 246, 223
Decimal	16183007
CIE Lab	94.34, 0.17, 8.21
CIE LCh	94, 8.215, 88.823
Yxy	86.0696, 0.3275, 0.3442
Android (android.graphics.Color)	4294373087 (0xFFFF6EEDF)
YUV	238.6820, -7.7312, 6.4179
Hunter-Lab	92.7737, -4.7876, 12.4770

Details

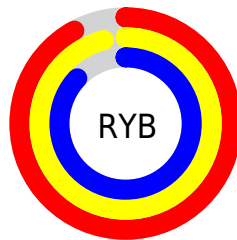
The Yxy color **86.0696, 0.3275, 0.3442** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.4639, 0.2982, 0.3133**, and the grayscale version is **86.1121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2302, 0.3310, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **79.9936, 0.3450, 0.3612**, and if you desaturate by 10%, it is **92.5810, 0.3117, 0.3280**.

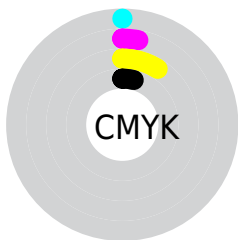
Distribution



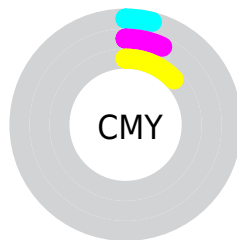
- Red (96%)
- Green (93%)
- Blue (87%)



- Red (92%)
- Yellow (96%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (4%)




- Cyan (4%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0696, 0.3275, 0.3442 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 86.0696, 0.3275, 0.3442 by changing the saturation by 10% instead.

 86.0696, 0.3275,
0.3442

 86.0696, 0.3275,
0.3442

515.1607, 0.3209,
0.3374

 64.7255, 0.3290,
0.3457

141.8666, 0.3252,
0.3419

 47.2386, 0.3308,
0.3476

177.0883, 0.3243,
0.3410

 33.2243, 0.3330,
0.3499


217.7047, 0.3236,
0.3402

 22.2983, 0.3359,
0.3528

264.1002, 0.3229,
0.3395

 14.0763, 0.3397,
0.3567

316.6591, 0.3223,
0.3389

 8.1737, 0.3451,
0.3622

375.7659, 0.3218,

 4.2063, 0.3530,

0.3383

0.3704

441.8050, 0.3213,
0.3378

■ 1.7896, 0.3661,
0.3837

■ 0.4807, 0.4895,
0.5105

■ 86.0696, 0.3275,
0.3442

■ 86.0696, 0.3275,
0.3442

■ 79.9936, 0.3450,
0.3612

■ 92.5810, 0.3117,
0.3280

■ 74.3303, 0.3640,
0.3786

■ 98.3303, 0.3072,
0.3290

■ 69.0712, 0.3846,
0.3959

■ 64.2034, 0.4060,
0.4122

■ 59.7128, 0.4278,
0.4264

■ 55.5843, 0.4488,
0.4375

■ 51.8009, 0.4681,
0.4442

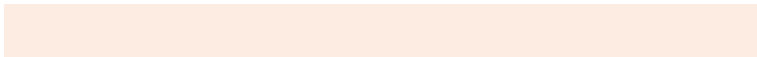
■ 48.3430, 0.4845,
0.4459

■ 45.1821, 0.4977,
0.4426

Harmonies

Analogous

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



86.0696, 0.3311, 0.3391



86.0696, 0.3275, 0.3442



86.0696, 0.3200, 0.3452

Triad

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



86.0696, 0.3275, 0.3442



86.0696, 0.2961, 0.3261



86.0696, 0.3146, 0.3168

Complementary

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



86.0696, 0.3275, 0.3442



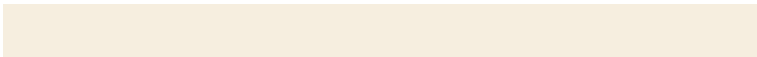
79.4639, 0.2982, 0.3133

Split Complementary

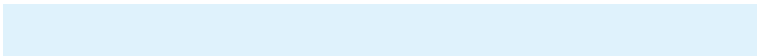
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0696, 0.3053, 0.3133



86.0696, 0.3275, 0.3442



86.0696, 0.2947, 0.3185

Square

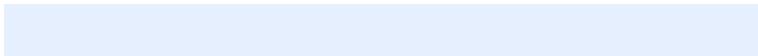
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.0696, 0.3275, 0.3442



86.0696, 0.3019, 0.3347



86.0696, 0.2981, 0.3139



86.0696, 0.3236, 0.3234

Rectangle

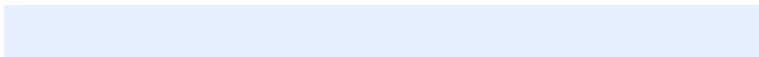
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.0696, 0.3275, 0.3442



86.0696, 0.3138, 0.3434



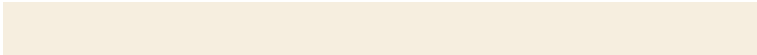
86.0696, 0.2981, 0.3139



86.0696, 0.3114, 0.3152

Sweetspot

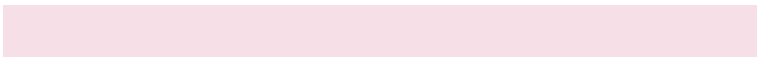
The Sweet Spot groups the original color and five complimentary colors.



86.0734, 0.3275, 0.3442



97.8370, 0.3173, 0.3338



78.1265, 0.3237, 0.3209



20.8189, 0.3186, 0.3351



0.0000, 0.0000, 0.0000



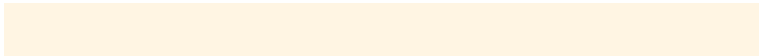
21.4041, 0.3127, 0.3290

Same Dimension

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



86.0734, 0.3275, 0.3442



92.2765, 0.3303, 0.3470



90.2019, 0.3244, 0.3522



18.2902, 0.3277, 0.3444



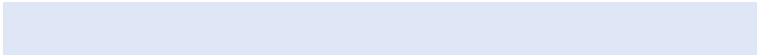
24.2868, 0.4969, 0.4437



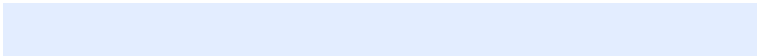
2.3261, 0.4846, 0.4534

Inverse Universe

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



79.4639, 0.2982, 0.3133



83.9213, 0.2955, 0.3103



75.6563, 0.3004, 0.3050



16.8659, 0.2980, 0.3131



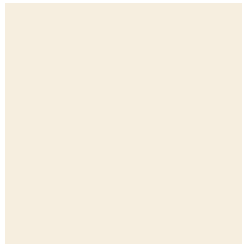
7.2770, 0.1643, 0.1113



0.8241, 0.1712, 0.1361

Previews

White Background



This preview shows how the Yxy color 86.0696, 0.3275, 0.3442 looks on a white background.

Color Contrast Check

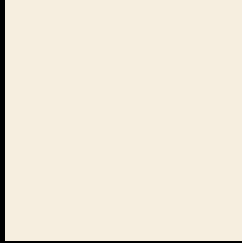
Large Text (above 18pt) WCAG AA × Fail

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 86.0696, 0.3275, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

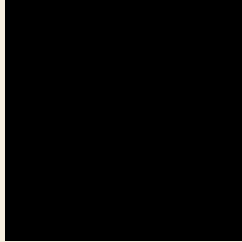
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

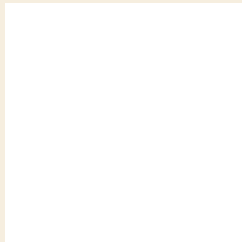
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.0696, 0.3275, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 86.0696, 0.3275, 0.3442.

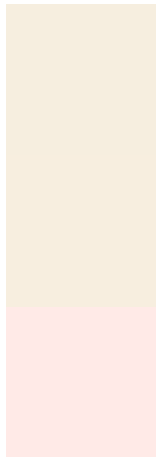


This preview shows how white text looks on a background with the Yxy color 86.0696, 0.3275, 0.3442.

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

86.0696, 0.3275, 0.3442

Protanopia

86.2509, 0.3282, 0.3441

Deuteranopia

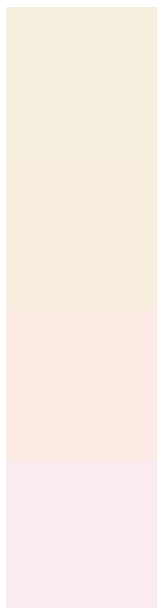
85.8752, 0.3290, 0.3320



Tritanopia

86.1979, 0.3122, 0.3114

Trichromacy



Original Color

86.0696, 0.3275, 0.3442

Protanomaly

86.2509, 0.3282, 0.3441

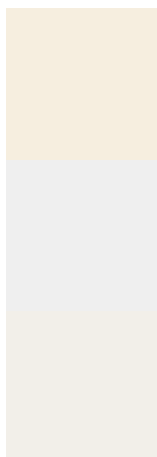
Deuteranomaly

85.7135, 0.3287, 0.3360

Tritanomaly

85.9073, 0.3184, 0.3231

Monochromacy



Original Color

86.0696, 0.3275, 0.3442

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4934, 0.3184, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0696, 0.3275, 0.3442 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(246, 238, 223)` looks like.

```
.text, #text, p{  
    color:rgb(246, 238, 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(246, 238, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 238, 223) }
```

Border

The CSS property to change the border of an element to Yxy 86.0696, 0.3275, 0.3442 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(246, 238, 223) }
```

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

```
.border{ border-color:rgb(246, 238, 223) }
```

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

Here you see how a box with a 4 pixel rgb(246, 238, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 238, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 238, 223);  
box-shadow:4px 4px 4px 4px rgb(246, 238,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0696, 0.3275, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 238, 223) }
```

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

```
.background{ background-color: rgb(246,  
238, 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](#).

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