

Converting Colors

$Yxy(86.3964, 0.3446, 0.3661)$

Have a look what the booklet for
Yxy(86.3964, 0.3446, 0.3661)
contains.

Yxy(86.5065, 0.3444, 0.3664)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.5065, 0.3444, 0.3664)

Conversions

Conversions Part 1

Format	Color
Hex	FBEFCA
RGB	251, 239, 202
RGB Percent	98%, 94%, 79%
CMY	0.0156, 0.0627, 0.2079
CMYK	0.00, 0.05, 0.20, 0.02
HSL	45°, 86%, 89%
HSV	45°, 20%, 98%
XYZ	81.3123, 86.5065, 68.2797
YIQ	238.3700, 19.0290, -8.9630

Conversions

Conversions Part 2

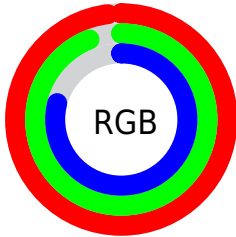
Format	Color
R _Y B	218, 251, 202
Decimal	16510922
CIE Lab	94.53, -1.76, 19.38
CIE LCh	95, 19.458, 95.199
Yxy	86.5065, 0.3444, 0.3664
Android (android.graphics.Color)	4294701002 (0xFFFFBEFCA)
YUV	238.3700, -17.9304, 11.0765
Hunter-Lab	93.0089, -6.7132, 21.5802

Details

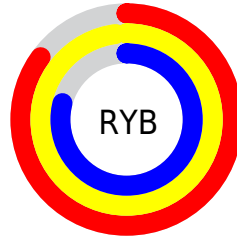
The Yxy color **86.5065, 0.3444, 0.3664** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.6109, 0.2809, 0.2886**, and the grayscale version is **85.9350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4744, 0.3511, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **81.8775, 0.3623, 0.3863**, and if you desaturate by 10%, it is **91.4591, 0.3276, 0.3469**.

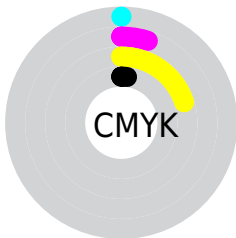
Distribution



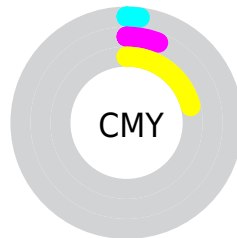
- Red (98%)
- Green (94%)
- Blue (79%)



- Red (85%)
- Yellow (98%)
- Blue (79%)



- Cyan (0%)
- Magenta (5%)
- Yellow (20%)
- Black (2%)




- Cyan (2%)
- Magenta (6%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5065, 0.3444, 0.3664 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 86.5065, 0.3444, 0.3664 by changing the saturation by 10% instead.


 86.5065, 0.3444,
0.3664

 86.5065, 0.3444,
0.3664


516.5999, 0.3302,
0.3496

 65.0869, 0.3475,
0.3701

142.4761, 0.3396,
0.3607

 47.5315, 0.3513,
0.3746


177.7948, 0.3377,
0.3584

 33.4561, 0.3560,
0.3803


218.5154, 0.3360,
0.3565

 22.4760, 0.3619,
0.3875

265.0223, 0.3346,
0.3547

 14.2071, 0.3697,
0.3969

317.6997, 0.3333,
0.3532

 8.2649, 0.3802,
0.4099

376.9322, 0.3322,

 4.2649, 0.3952,

0.3519

0.4286

443.1041, 0.3312,
0.3507

■ 1.8228, 0.4285,
0.4694

■ 0.5013, 0.4637,
0.5363

■ 86.5065, 0.3444,
0.3664

■ 86.5065, 0.3444,
0.3664

■ 81.8775, 0.3623,
0.3863

■ 91.4591, 0.3276,
0.3469

■ 77.5499, 0.3811,
0.4058

■ 96.7336, 0.3120,
0.3281

■ 73.5163, 0.4000,
0.4241

■ 99.2514, 0.3103,
0.3290

■ 69.7643, 0.4184,
0.4401

■ 66.2804, 0.4354,
0.4528

■ 63.0492, 0.4502,
0.4612

■ 60.0526, 0.4622,
0.4648

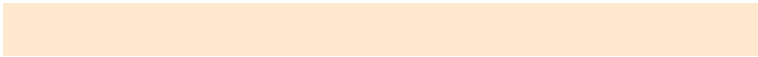
■ 57.2629, 0.4712,
0.4638

■ 57.1356, 0.4716,
0.4638

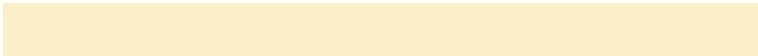
Harmonies

Analogous

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



86.5065, 0.3555, 0.3554



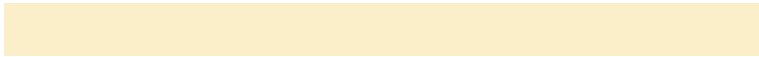
86.5065, 0.3444, 0.3664



86.5065, 0.3249, 0.3672

Triad

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



86.5065, 0.3444, 0.3664



86.5065, 0.2724, 0.3174



86.5065, 0.3217, 0.3035

Complementary

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



86.5065, 0.3444, 0.3664



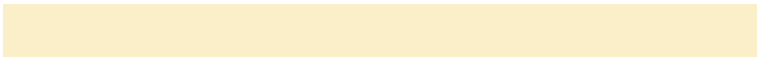
67.6109, 0.2809, 0.2886

Split Complementary

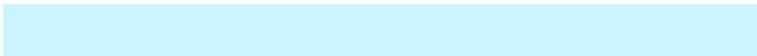
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5065, 0.2994, 0.2938



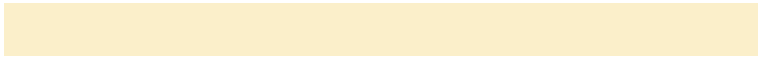
86.5065, 0.3444, 0.3664



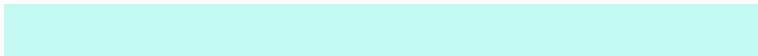
86.5065, 0.2716, 0.3009

Square

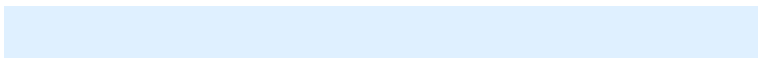
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.5065, 0.3444, 0.3664



86.5065, 0.2836, 0.3380



86.5065, 0.2813, 0.2927



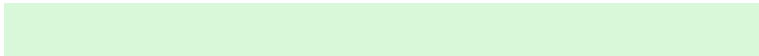
86.5065, 0.3422, 0.3195

Rectangle

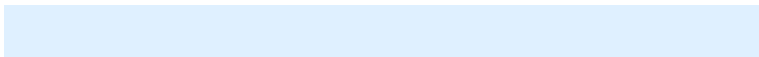
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.5065, 0.3444, 0.3664



86.5065, 0.3100, 0.3614



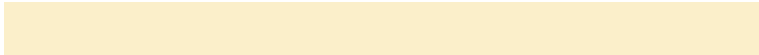
86.5065, 0.2813, 0.2927



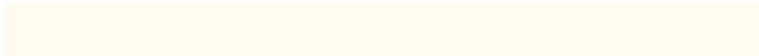
86.5065, 0.3142, 0.2994

Sweetspot

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



86.5104, 0.3444, 0.3664



96.6857, 0.3219, 0.3402



67.6138, 0.3420, 0.3164



20.6191, 0.3230, 0.3414



0.0000, 0.0000, 0.0000



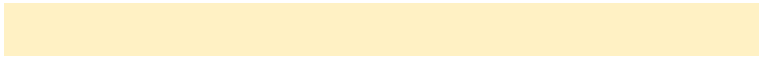
21.4041, 0.3127, 0.3290

Same Dimension

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



86.5104, 0.3444, 0.3664



87.9561, 0.3505, 0.3733



91.5734, 0.3340, 0.3791



19.4282, 0.3275, 0.3468



30.2702, 0.4705, 0.4646



2.9689, 0.4631, 0.4705

Inverse Universe

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



67.6109, 0.2809, 0.2886



65.4499, 0.2747, 0.2804



63.5335, 0.2885, 0.2763



17.3334, 0.2979, 0.3105



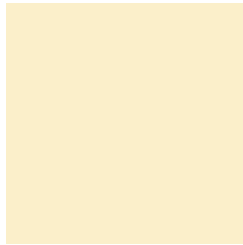
5.6322, 0.1577, 0.0876



0.6804, 0.1637, 0.1094

Previews

White Background



This preview shows how the Yxy color 86.5065, 0.3444, 0.3664 looks on a white background.

Color Contrast Check

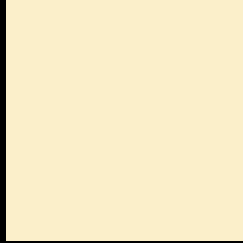
Large Text (above 18pt) WCAG AA × Fail

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 86.5065, 0.3444, 0.3664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

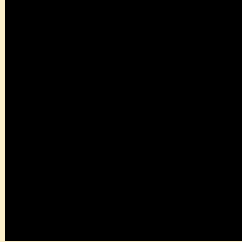
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5065, 0.3444, 0.3664

Background



This preview shows how black text looks on a background with the Yxy color 86.5065, 0.3444, 0.3664.



This preview shows how white text looks on a background with the Yxy color 86.5065, 0.3444, 0.3664.

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

86.5065, 0.3444, 0.3664

Protanopia

86.6927, 0.3451, 0.3663

Deuteranopia

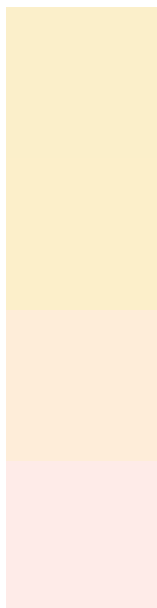
86.6871, 0.3326, 0.3399



Tritanopia

86.3774, 0.3175, 0.3135

Trichromacy



Original Color

86.5065, 0.3444, 0.3664

Protanomaly

86.6927, 0.3451, 0.3663

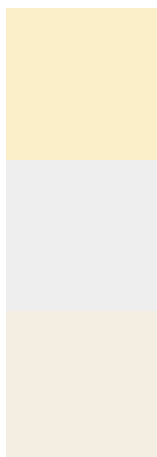
Deuteranomaly

86.6490, 0.3370, 0.3490

Tritanomaly

86.3137, 0.3275, 0.3320

Monochromacy



Original Color

86.5065, 0.3444, 0.3664

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.6400, 0.3242, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5065, 0.3444, 0.3664 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, 239, 202)` looks like.

```
.text, #text, p{  
    color:rgb(251, 239, 202)  
}
```

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, 239, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 239, 202) }
```

Border

The CSS property to change the border of an element to Yxy 86.5065, 0.3444, 0.3664 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, 239, 202) }
```

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

```
.border{ border-color:rgb(251, 239, 202) }
```

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

Here you see how a box with a 4 pixel rgb(251, 239, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 239, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 239, 202);  
box-shadow:4px 4px 4px 4px rgb(251, 239,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5065, 0.3444, 0.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 239, 202) }
```

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

```
.background{ background-color: rgb(251,  
239, 202) }
```

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