

Converting Colors

$Yxy(87.6428, 0.3458, 0.3644)$

Have a look what the booklet for
Yxy(87.6428, 0.3458, 0.3644)
contains.

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Color

Yxy(87.3526, 0.3459, 0.3640)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFCC
RGB	255, 239, 204
RGB Percent	100%, 94%, 80%
CMY	0.0000, 0.0627, 0.2000
CMYK	0.00, 0.06, 0.20, 0.00
HSL	41°, 100%, 90%
HSV	41°, 20%, 100%
XYZ	83.0090, 87.3526, 69.6181
YIQ	239.7940, 20.7710, -7.4930

Conversions

Conversions Part 2

Format	Color
R _Y B	227, 255, 204
Decimal	16773068
CIE Lab	94.89, -0.03, 18.89
CIE LCh	95, 18.886, 90.099
Yxy	87.3526, 0.3459, 0.3640
Android (android.graphics.Color)	4294963148 (0xFFFFEFC0)
YUV	239.7940, -17.6464, 13.3357
Hunter-Lab	93.4626, -5.0245, 21.2601

Details

The Yxy color **87.3526, 0.3459, 0.3640** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.2497, 0.2803, 0.2914**, and the grayscale version is **87.0978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0747, 0.3530, 0.3712** is the 20% darker color. If you saturate the color by 10%, you get **81.6479, 0.3647, 0.3823**, and if you desaturate by 10%, it is **93.4691, 0.3285, 0.3461**.

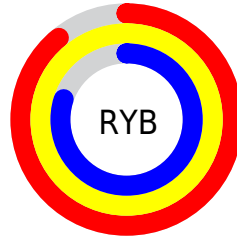
Distribution



Red (100%)

Green (94%)

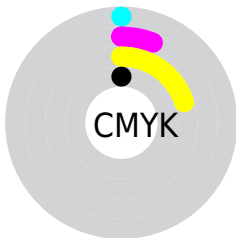
Blue (80%)



Red (89%)

Yellow (100%)

Blue (80%)



Cyan (0%)

Magenta (6%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3526, 0.3459, 0.3640 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 87.3526, 0.3459, 0.3640 by changing the saturation by 10% instead.


 87.3526, 0.3459,
0.3640

 87.3526, 0.3459,
0.3640


519.3808, 0.3311,
0.3484

 65.7870, 0.3492,
0.3674


143.6555, 0.3409,
0.3587

 48.0995, 0.3531,
0.3716


179.1616, 0.3389,
0.3566

 33.9057, 0.3580,
0.3768


220.0834, 0.3371,
0.3548

 22.8212, 0.3643,
0.3834

266.8052, 0.3356,
0.3532

 14.4615, 0.3725,
0.3921

319.7115, 0.3343,
0.3518

 8.4424, 0.3837,
0.4038

379.1866, 0.3331,

 4.3793, 0.3996,

0.3505

0.4207

445.6149, 0.3320,
0.3494

■ 1.8879, 0.4315,
0.4544

■ 0.5411, 0.4869,
0.5131

■ 87.3526, 0.3459,
0.3640

■ 87.3526, 0.3459,
0.3640

■ 81.6479, 0.3647,
0.3823

■ 93.4691, 0.3285,
0.3461

■ 76.3365, 0.3847,
0.4002

100.0000, 0.3127,
0.3290

■ 71.4071, 0.4054,
0.4171

■ 66.8455, 0.4261,
0.4318

■ 62.6359, 0.4457,
0.4432

■ 58.7606, 0.4633,
0.4502

■ 55.1991, 0.4780,
0.4522

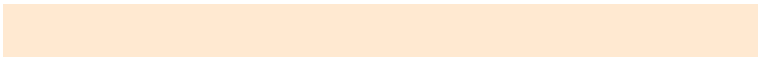
■ 51.9195, 0.4897,
0.4494

■ 51.9181, 0.4897,
0.4494

Harmonies

Analogous

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



87.3526, 0.3548, 0.3521



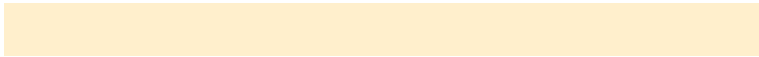
87.3526, 0.3459, 0.3640



87.3526, 0.3281, 0.3666

Triad

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



87.3526, 0.3459, 0.3640



87.3526, 0.2749, 0.3210



87.3526, 0.3178, 0.3022

Complementary

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



87.3526, 0.3459, 0.3640



71.2497, 0.2803, 0.2914

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.



87.3526, 0.2964, 0.2941



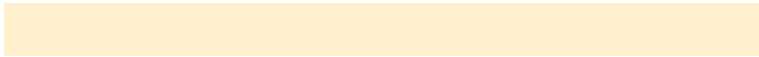
87.3526, 0.3459, 0.3640



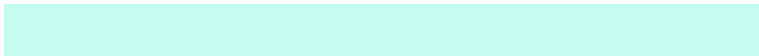
87.3526, 0.2723, 0.3041

Square

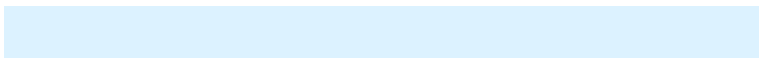
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.3526, 0.3459, 0.3640



87.3526, 0.2873, 0.3411



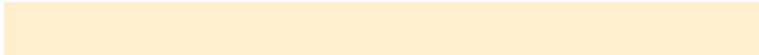
87.3526, 0.2800, 0.2945



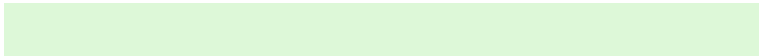
87.3526, 0.3383, 0.3169

Rectangle

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



87.3526, 0.3459, 0.3640



87.3526, 0.3138, 0.3621



87.3526, 0.2800, 0.2945



87.3526, 0.3104, 0.2986

Sweetspot

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



87.3546, 0.3459, 0.3640



96.0289, 0.3220, 0.3392



69.6266, 0.3403, 0.3127



20.4636, 0.3231, 0.3403



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

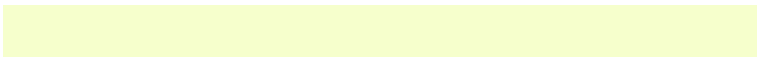
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3546, 0.3459, 0.3640



85.0212, 0.3533, 0.3713



95.4101, 0.3368, 0.3800



20.0728, 0.3277, 0.3453



27.4077, 0.4882, 0.4506



2.8643, 0.4784, 0.4584

Inverse Universe

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



71.2497, 0.2803, 0.2914



66.2519, 0.2733, 0.2827



64.6108, 0.2855, 0.2745



18.3076, 0.2979, 0.3122



7.0047, 0.1619, 0.1026



0.8677, 0.1680, 0.1248

Previews

White Background



This preview shows how the Yxy color 87.3526, 0.3459, 0.3640 looks on a white background.

Color Contrast Check

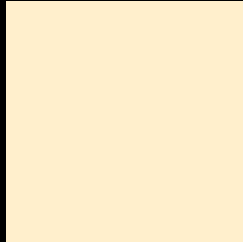
Large Text (above 18pt) WCAG AA × Fail

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 87.3526, 0.3459, 0.3640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

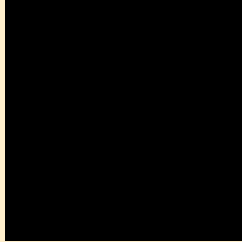
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3526, 0.3459, 0.3640

Background



This preview shows how black text looks on a background with the Yxy color 87.3526, 0.3459, 0.3640.



This preview shows how white text looks on a background with the Yxy color 87.3526, 0.3459, 0.3640.

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

87.3526, 0.3459, 0.3640

Protanopia

87.5625, 0.3443, 0.3651

Deuteranopia

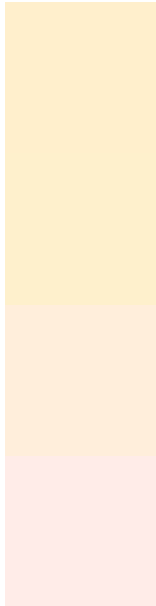
87.4298, 0.3306, 0.3379



Tritanopia

87.4540, 0.3180, 0.3164

Trichromacy



Original Color

87.3526, 0.3459, 0.3640

Protanomaly

87.7506, 0.3450, 0.3651

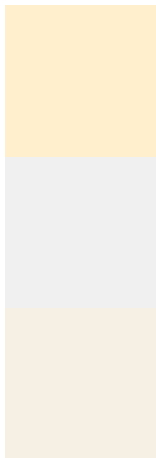
Deuteranomaly

87.5235, 0.3363, 0.3479

Tritanomaly

87.0771, 0.3281, 0.3330

Monochromacy



Original Color

87.3526, 0.3459, 0.3640

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.2787, 0.3241, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3526, 0.3459, 0.3640 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(255, 239, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 204)  
}
```

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(255, 239, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 204) }
```

Border

The CSS property to change the border of an element to Yxy 87.3526, 0.3459, 0.3640 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(255, 239, 204) }
```

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

```
.border{ border-color:rgb(255, 239, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 239, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 239, 204); box-shadow:4px 4px 4px 4px rgb(255, 239, 204) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3526, 0.3459, 0.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 204) }
```

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

```
.background{ background-color: rgb(255,  
239, 204) }
```

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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