

Converting Colors

$Y_{xy}(86.1690, 0.3526, 0.3728)$

Have a look what the booklet for
Yxy(86.1690, 0.3526, 0.3728)
contains.

Yxy(86.3041, 0.3526, 0.3732)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.3041, 0.3526, 0.3732)

Conversions

Conversions Part 1

Format	Color
Hex	FFEEC2
RGB	255, 238, 194
RGB Percent	100%, 93%, 76%
CMY	0.0002, 0.0666, 0.2391
CMYK	0.00, 0.07, 0.24, 0.00
HSL	43°, 100%, 88%
HSV	43°, 24%, 100%
XYZ	81.5403, 86.3041, 63.4099
YIQ	238.0670, 24.2560, -10.0800

Conversions

Conversions Part 2

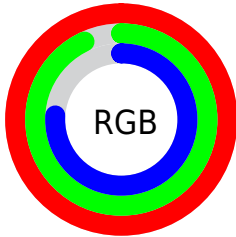
Format	Color
R _Y B	218, 255, 194
Decimal	16772802
CIE Lab	94.44, -0.95, 23.40
CIE LCh	94, 23.419, 92.320
Yxy	86.3041, 0.3526, 0.3732
Android (android.graphics.Color)	4294962882 (0xFFFFEEC2)
YUV	238.0670, -21.7250, 14.8502
Hunter-Lab	92.9000, -5.9018, 24.5610

Details

The Yxy color **86.3041, 0.3526, 0.3732** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.2523, 0.2733, 0.2805**, and the grayscale version is **85.7110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **47.3551, 0.3618, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **81.2141, 0.3714, 0.3923**, and if you desaturate by 10%, it is **91.7607, 0.3349, 0.3542**.

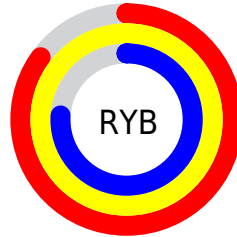
Distribution



Red (100%)

Green (93%)

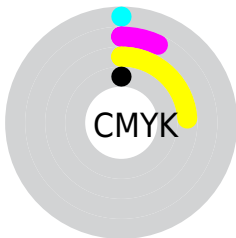
Blue (76%)



Red (85%)

Yellow (100%)

Blue (76%)

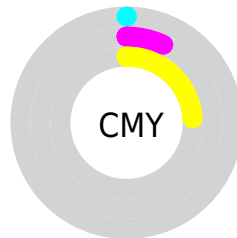


Cyan (0%)

Magenta (7%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3041, 0.3526, 0.3732 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 86.3041, 0.3526, 0.3732 by changing the saturation by 10% instead.


 86.3041, 0.3526,
0.3732

 86.3041, 0.3526,
0.3732

515.9334, 0.3348,
0.3534

 64.9195, 0.3565,
0.3776

142.1938, 0.3466,
0.3665

 47.3958, 0.3612,
0.3828

177.4676, 0.3442,
0.3638

 33.3486, 0.3671,
0.3894


218.1400, 0.3421,
0.3615

 22.3937, 0.3745,
0.3977

264.5952, 0.3403,
0.3595

 14.1464, 0.3841,
0.4085

317.2178, 0.3387,
0.3577

 8.2226, 0.3969,
0.4231

376.3921, 0.3372,

 4.2377, 0.4148,

0.3561

0.4436

442.5025, 0.3359,
0.3547

■ 1.8074, 0.4678,
0.5030

■ 0.4918, 0.4746,
0.5254

■ 86.3041, 0.3526,
0.3732

■ 86.3041, 0.3526,
0.3732

■ 81.2141, 0.3714,
0.3923

■ 91.7607, 0.3349,
0.3542

■ 76.4672, 0.3910,
0.4107

■ 97.5835, 0.3187,
0.3359

■ 72.0545, 0.4107,
0.4276

■ 99.9908, 0.3127,
0.3290

■ 67.9620, 0.4298,
0.4417

■ 64.1743, 0.4473,
0.4521

■ 60.6736, 0.4623,
0.4579

■ 57.4387, 0.4741,
0.4586

■ 55.5782, 0.4801,
0.4570

Harmonies

Analogous

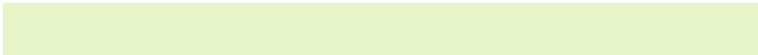
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3041, 0.3649, 0.3587



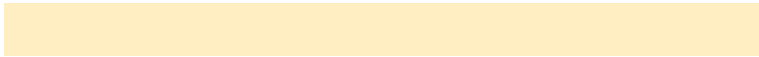
86.3041, 0.3526, 0.3732



86.3041, 0.3298, 0.3758

Triad

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



86.3041, 0.3526, 0.3732



86.3041, 0.2652, 0.3170



86.3041, 0.3209, 0.2970

Complementary

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



86.3041, 0.3526, 0.3732



65.2523, 0.2733, 0.2805

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.



86.3041, 0.2942, 0.2863



86.3041, 0.3526, 0.3732



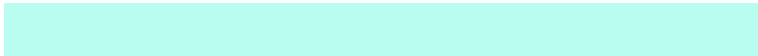
86.3041, 0.2630, 0.2966

Square

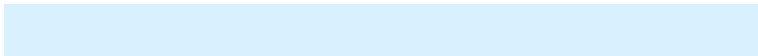
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.3041, 0.3526, 0.3732



86.3041, 0.2796, 0.3422



86.3041, 0.2734, 0.2859



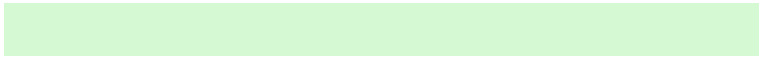
86.3041, 0.3462, 0.3154

Rectangle

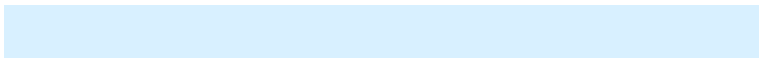
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.3041, 0.3526, 0.3732



86.3041, 0.3119, 0.3697



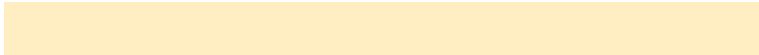
86.3041, 0.2734, 0.2859



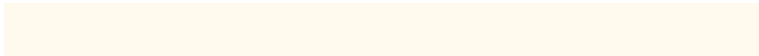
86.3041, 0.3117, 0.2925

Sweetspot

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



86.3080, 0.3526, 0.3732



95.7795, 0.3236, 0.3415



64.5604, 0.3488, 0.3114



20.4247, 0.3245, 0.3426



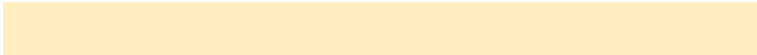
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

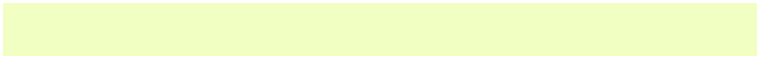
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3080, 0.3526, 0.3732



83.7019, 0.3621, 0.3830



94.2177, 0.3401, 0.3907



20.1872, 0.3276, 0.3461



29.3174, 0.4789, 0.4580



3.0385, 0.4705, 0.4646

Inverse Universe

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



65.2523, 0.2733, 0.2805



59.1022, 0.2641, 0.2684



59.1064, 0.2807, 0.2628



18.1992, 0.2979, 0.3113



6.3316, 0.1595, 0.0943



0.7907, 0.1655, 0.1158

Previews

White Background



This preview shows how the Yxy color 86.3041, 0.3526, 0.3732 looks on a white background.

Color Contrast Check

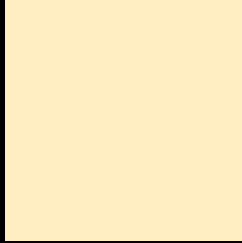
Large Text (above 18pt) WCAG AA × Fail

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 86.3041, 0.3526, 0.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

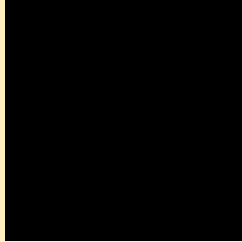
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.3041, 0.3526, 0.3732

Background



This preview shows how black text looks on a background with the Yxy color 86.3041, 0.3526, 0.3732.

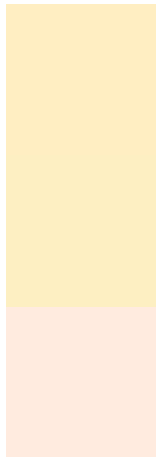


This preview shows how white text looks on a background with the Yxy color 86.3041, 0.3526, 0.3732.

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

86.3041, 0.3526, 0.3732

Protanopia

86.5107, 0.3510, 0.3744

Deuteranopia

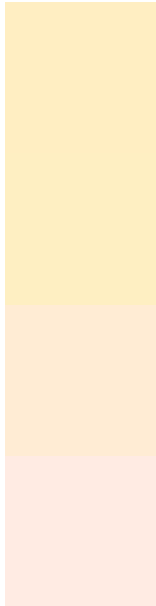
86.0044, 0.3341, 0.3410



Tritanopia

86.1916, 0.3194, 0.3164

Trichromacy



Original Color

86.3041, 0.3526, 0.3732

Protanomaly

86.6989, 0.3517, 0.3743

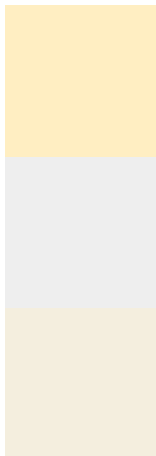
Deuteranomaly

86.0044, 0.3412, 0.3530

Tritanomaly

86.2227, 0.3315, 0.3370

Monochromacy



Original Color

86.3041, 0.3526, 0.3732

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.6561, 0.3268, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3041, 0.3526, 0.3732 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, 238, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 194)  
}
```

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, 238, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 194) }
```

Border

The CSS property to change the border of an element to Yxy 86.3041, 0.3526, 0.3732 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, 238, 194) }
```

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

```
.border{ border-color:rgb(255, 238, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 238, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 238, 194); box-shadow:4px 4px 4px 4px rgb(255, 238, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3041, 0.3526, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 194) }
```

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

```
.background{ background-color: rgb(255,  
238, 194) }
```

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