

Converting Colors

$Yxy(89.3371, 0.3466, 0.3564)$

Have a look what the booklet for
Yxy(89.3371, 0.3466, 0.3564)
contains.

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Color

Yxy(87.6962, 0.3413, 0.3569)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFD3
RGB	255, 239, 211
RGB Percent	100%, 94%, 83%
CMY	0.0001, 0.0627, 0.1724
CMYK	0.00, 0.06, 0.17, 0.00
HSL	38°, 100%, 91%
HSV	38°, 17%, 100%
XYZ	83.8630, 87.6962, 74.1572
YIQ	240.5920, 18.5240, -5.3160

Conversions

Conversions Part 2

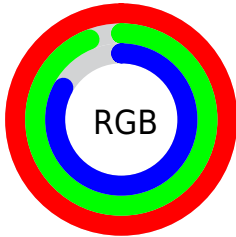
Format	Color
R_{YB}	236, 255, 211
Decimal	16773075
CIE _{Lab}	95.03, 0.97, 15.47
CIE _{LCh}	95, 15.501, 86.394
Yxy	87.6962, 0.3413, 0.3569
Android (android.graphics.Color)	4294963155 (0xFFFFEFD3)
YUV	240.5920, -14.5889, 12.6358
Hunter-Lab	93.6462, -4.0288, 18.6014

Details

The Yxy color $87.6962, 0.3413, 0.3569$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $76.0166, 0.2852, 0.2994$, and the grayscale version is $87.7342, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.2730, 0.3480, 0.3634$ is the 20% darker color. If you saturate the color by 10%, you get $81.2319, 0.3603, 0.3739$, and if you desaturate by 10%, it is $94.6495, 0.3241, 0.3404$.

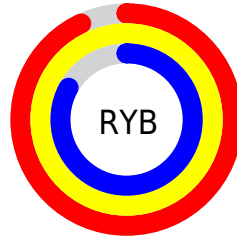
Distribution



Red (100%)

Green (94%)

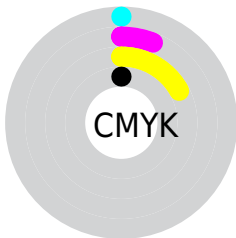
Blue (83%)



Red (93%)

Yellow (100%)

Blue (83%)

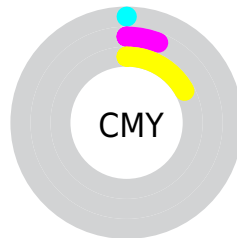


Cyan (0%)

Magenta (6%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6962, 0.3413, 0.3569 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 87.6962, 0.3413, 0.3569 by changing the saturation by 10% instead.

 87.6962, 0.3413,
0.3569

 87.6962, 0.3413,
0.3569


520.5078, 0.3285,
0.3445

 66.0715, 0.3441,
0.3596


144.1341, 0.3369,
0.3527

 48.3304, 0.3476,
0.3630


179.7161, 0.3352,
0.3510

 34.0886, 0.3518,
0.3671


220.7194, 0.3337,
0.3496

 22.9617, 0.3573,
0.3723

267.5283, 0.3324,
0.3483

 14.5652, 0.3645,
0.3792

320.5271, 0.3313,
0.3472

 8.5148, 0.3744,
0.3887

380.1004, 0.3302,

 4.4261, 0.3887,

0.3462

0.4023

446.6325, 0.3293,
0.3453

■ 1.9147, 0.4128,
0.4250

■ 0.5572, 0.4983,
0.5017

■ 87.6962, 0.3413,
0.3569

■ 87.6962, 0.3413,
0.3569

■ 81.2319, 0.3603,
0.3739

■ 94.6495, 0.3241,
0.3404

■ 75.2312, 0.3808,
0.3909

99.9968, 0.3127,
0.3290

■ 69.6834, 0.4026,
0.4071

■ 64.5730, 0.4250,
0.4215

■ 59.8831, 0.4470,
0.4330

■ 55.5950, 0.4675,
0.4404

■ 51.6871, 0.4854,
0.4427

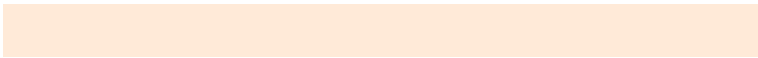
■ 48.1333, 0.4998,
0.4398

■ 47.2038, 0.5035,
0.4384

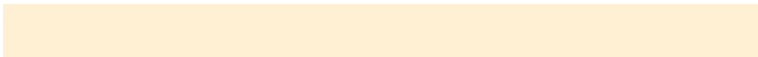
Harmonies

Analogous

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



87.6962, 0.3474, 0.3466



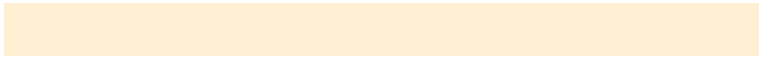
87.6962, 0.3413, 0.3569



87.6962, 0.3275, 0.3599

Triad

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



87.6962, 0.3413, 0.3569



87.6962, 0.2824, 0.3246



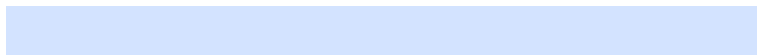
87.6962, 0.3147, 0.3057

Complementary

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



87.6962, 0.3413, 0.3569



76.0166, 0.2852, 0.2994

Split Complementary

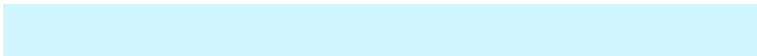
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6962, 0.2974, 0.2998



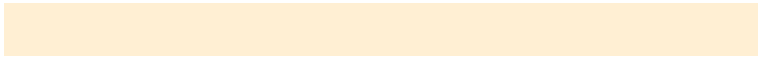
87.6962, 0.3413, 0.3569



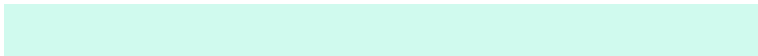
87.6962, 0.2792, 0.3101

Square

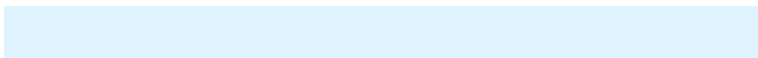
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6962, 0.3413, 0.3569



87.6962, 0.2936, 0.3409



87.6962, 0.2846, 0.3013



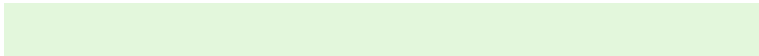
87.6962, 0.3318, 0.3173

Rectangle

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



87.6962, 0.3413, 0.3569



87.6962, 0.3159, 0.3569



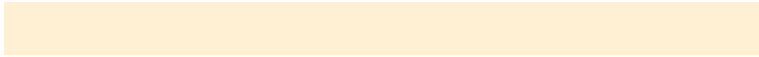
87.6962, 0.2846, 0.3013



87.6962, 0.3087, 0.3030

Sweetspot

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



87.7001, 0.3413, 0.3569



96.2845, 0.3205, 0.3368



73.4174, 0.3342, 0.3129



20.4992, 0.3216, 0.3380



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.



87.7001, 0.3413, 0.3569



85.2220, 0.3482, 0.3633



96.3768, 0.3349, 0.3726



19.9152, 0.3278, 0.3441



24.9626, 0.5017, 0.4398



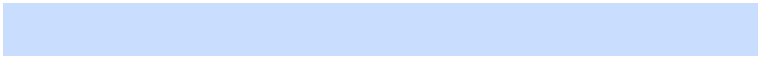
2.6385, 0.4898, 0.4493

Inverse Universe

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



76.0166, 0.2852, 0.2994



71.3677, 0.2788, 0.2922



68.5608, 0.2882, 0.2826



18.4586, 0.2979, 0.3134



8.0926, 0.1654, 0.1155



0.9870, 0.1717, 0.1380

Previews

White Background



This preview shows how the Yxy color 87.6962, 0.3413, 0.3569 looks on a white background.

Color Contrast Check

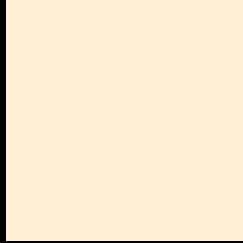
Large Text (above 18pt) WCAG AA × Fail

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 87.6962, 0.3413, 0.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

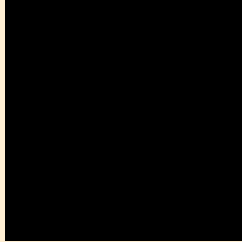
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6962, 0.3413, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 87.6962, 0.3413, 0.3569.

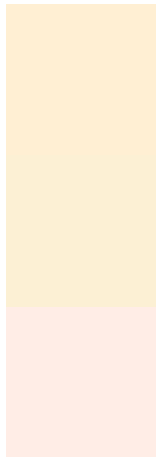


This preview shows how white text looks on a background with the Yxy color 87.6962, 0.3413, 0.3569.

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

87.6962, 0.3413, 0.3569

Protanopia

87.7691, 0.3384, 0.3571

Deuteranopia

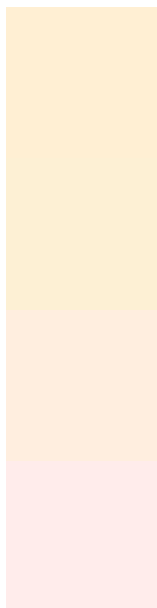
87.5415, 0.3293, 0.3359



Tritanopia

87.5162, 0.3174, 0.3154

Trichromacy



Original Color

87.6962, 0.3413, 0.3569

Protanomaly

87.9563, 0.3391, 0.3570

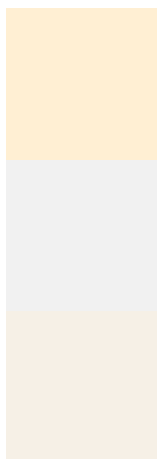
Deuteranomaly

87.7368, 0.3337, 0.3439

Tritanomaly

87.2491, 0.3262, 0.3300

Monochromacy



Original Color

87.6962, 0.3413, 0.3569

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.6262, 0.3229, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6962, 0.3413, 0.3569 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 211) }
```

Border

The CSS property to change the border of an element to Yxy 87.6962, 0.3413, 0.3569 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, 211) }
```

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

```
.border{ border-color:rgb(255, 239, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6962, 0.3413, 0.3569 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, 211) }
```

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

```
.background{ background-color: rgb(255,  
239, 211) }
```

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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