

Converting Colors

$Yxy(90.4717, 0.3539, 0.3563)$

Have a look what the booklet for
Yxy(90.4717, 0.3539, 0.3563)
contains.

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Color

Yxy(87.0622, 0.3422, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	FFEED2
RGB	255, 238, 210
RGB Percent	100%, 93%, 82%
CMY	0.0000, 0.0667, 0.1766
CMYK	0.00, 0.07, 0.18, 0.00
HSL	37°, 100%, 91%
HSV	37°, 18%, 100%
XYZ	83.4529, 87.0622, 73.3566
YIQ	239.8910, 19.1200, -5.1040

Conversions

Conversions Part 2

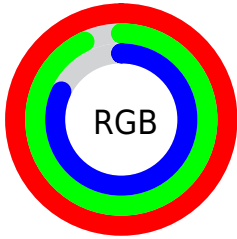
Format	Color
R _Y B	237, 255, 210
Decimal	16772818
CIE Lab	94.76, 1.35, 15.64
CIE LCh	95, 15.701, 85.075
Yxy	87.0622, 0.3422, 0.3570
Android (android.graphics.Color)	4294962898 (0xFFFFEED2)
YUV	239.8910, -14.7363, 13.2506
Hunter-Lab	93.3071, -3.6390, 18.7021

Details

The Yxy color **87.0622, 0.3422, 0.3570** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75.8381, 0.2845, 0.2993**, and the grayscale version is **87.1495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8282, 0.3491, 0.3635** is the 20% darker color. If you saturate the color by 10%, you get **80.4317, 0.3614, 0.3737**, and if you desaturate by 10%, it is **94.1901, 0.3248, 0.3408**.

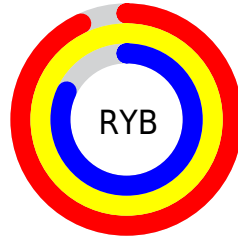
Distribution



Red (100%)

Green (93%)

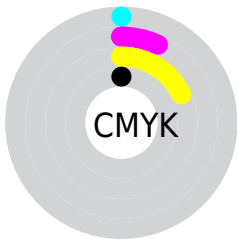
Blue (82%)



Red (93%)

Yellow (100%)

Blue (82%)

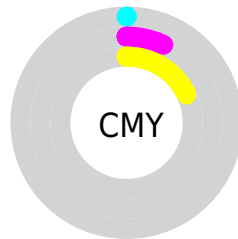


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0622, 0.3422, 0.3570 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 87.0622, 0.3422, 0.3570 by changing the saturation by 10% instead.

 87.0622, 0.3422,
0.3570

 87.0622, 0.3422,
0.3570


518.4272, 0.3290,
0.3445

 65.5467, 0.3451,
0.3597


143.2508, 0.3377,
0.3528

 47.9045, 0.3487,
0.3631


178.6927, 0.3359,
0.3511

 33.7513, 0.3531,
0.3672


219.5456, 0.3344,
0.3496

 22.7026, 0.3588,
0.3725

266.1937, 0.3330,
0.3483

 14.3741, 0.3662,
0.3794

319.0215, 0.3318,
0.3472

 8.3813, 0.3765,
0.3889

378.4135, 0.3308,

 4.3399, 0.3915,

0.3462

0.4026

444.7539, 0.3298,
0.3453

■ 1.8654, 0.4174,
0.4260

■ 0.5275, 0.5032,
0.4968

■ 87.0622, 0.3422,
0.3570

■ 87.0622, 0.3422,
0.3570

■ 80.4317, 0.3614,
0.3737

■ 94.1901, 0.3248,
0.3408

■ 74.2917, 0.3823,
0.3903

100.0000, 0.3127,
0.3290

■ 68.6247, 0.4044,
0.4061

■ 63.4145, 0.4273,
0.4202

■ 58.6437, 0.4498,
0.4313

■ 54.2926, 0.4709,
0.4382

■ 50.3393, 0.4893,
0.4400

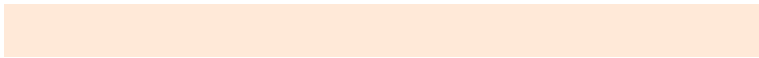
■ 46.7561, 0.5042,
0.4365

■ 45.9627, 0.5075,
0.4352

Harmonies

Analogous

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



87.0622, 0.3480, 0.3462



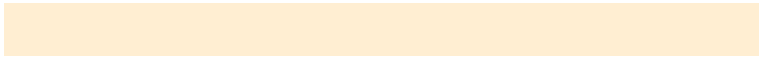
87.0622, 0.3422, 0.3570



87.0622, 0.3284, 0.3604

Triad

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



87.0622, 0.3422, 0.3570



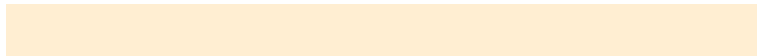
87.0622, 0.2823, 0.3252



87.0622, 0.3139, 0.3049

Complementary

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



87.0622, 0.3422, 0.3570



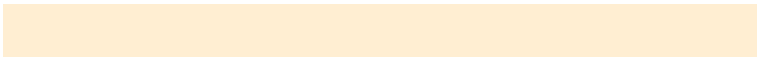
75.8381, 0.2845, 0.2993

Split Complementary

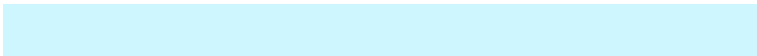
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0622, 0.2965, 0.2993



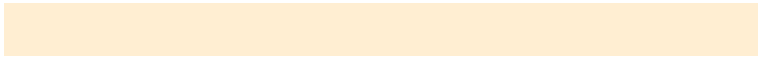
87.0622, 0.3422, 0.3570



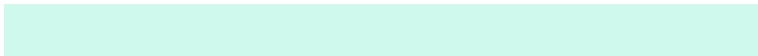
87.0622, 0.2786, 0.3104

Square

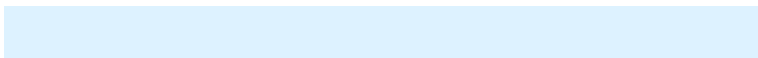
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0622, 0.3422, 0.3570



87.0622, 0.2939, 0.3418



87.0622, 0.2838, 0.3011



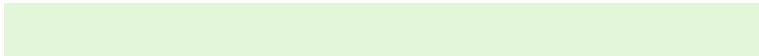
87.0622, 0.3314, 0.3166

Rectangle

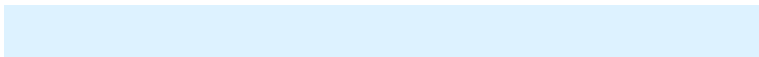
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0622, 0.3422, 0.3570



87.0622, 0.3168, 0.3577



87.0622, 0.2838, 0.3011



87.0622, 0.3079, 0.3023

Sweetspot

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



87.0597, 0.3422, 0.3570



96.1729, 0.3205, 0.3367



72.8959, 0.3343, 0.3117



20.4721, 0.3216, 0.3378



0.0000, 0.0000, 0.0000



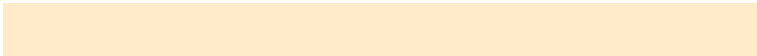
21.4041, 0.3127, 0.3290

Same Dimension

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



87.0597, 0.3422, 0.3570



84.7906, 0.3484, 0.3625



96.4487, 0.3359, 0.3736



19.8708, 0.3279, 0.3438



24.3134, 0.5056, 0.4367



2.5779, 0.4931, 0.4466

Inverse Universe

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



75.8381, 0.2845, 0.2993



71.7659, 0.2788, 0.2930



67.7778, 0.2870, 0.2812



18.5015, 0.2979, 0.3138



8.4338, 0.1665, 0.1194



1.0234, 0.1727, 0.1418

Previews

White Background



This preview shows how the Yxy color 87.0622, 0.3422, 0.3570 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 87.0622, 0.3422, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

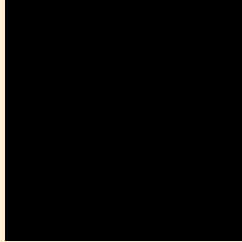
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.0622, 0.3422, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 87.0622, 0.3422, 0.3570.

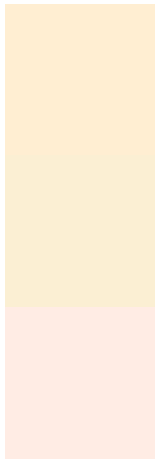


This preview shows how white text looks on a background with the Yxy color 87.0622, 0.3422, 0.3570.

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

87.0622, 0.3422, 0.3570

Protanopia

86.9454, 0.3385, 0.3572

Deuteranopia

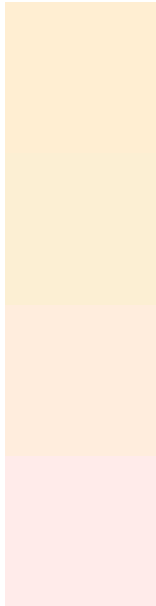
86.8523, 0.3307, 0.3369



Tritanopia

86.8829, 0.3180, 0.3154

Trichromacy



Original Color

87.0622, 0.3422, 0.3570

Protanomaly

87.1316, 0.3392, 0.3571

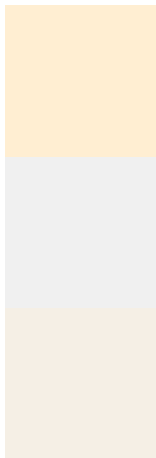
Deuteranomaly

87.0488, 0.3351, 0.3449

Tritanomaly

86.6172, 0.3269, 0.3300

Monochromacy



Original Color

87.0622, 0.3422, 0.3570

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.8026, 0.3229, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0622, 0.3422, 0.3570 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 210) }
```

Border

The CSS property to change the border of an element to Yxy 87.0622, 0.3422, 0.3570 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, 210) }
```

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

```
.border{ border-color:rgb(255, 238, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0622, 0.3422, 0.3570 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, 210) }
```

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

```
.background{ background-color: rgb(255,  
238, 210) }
```

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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