

Converting Colors

$Y_{xy}(116.4244, 0.4450, 0.3583)$

Have a look what the booklet for
Yxy(116.4244, 0.4450, 0.3583)
contains.

Yxy(82.7348, 0.3560, 0.3705)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.7348, 0.3560, 0.3705)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8BF
RGB	255, 232, 191
RGB Percent	100%, 91%, 75%
CMY	0.0001, 0.0902, 0.2509
CMYK	0.00, 0.09, 0.25, 0.00
HSL	38°, 100%, 87%
HSV	38°, 25%, 100%
XYZ	79.4969, 82.7348, 61.0741
YIQ	234.2030, 26.8690, -7.8750

Conversions

Conversions Part 2

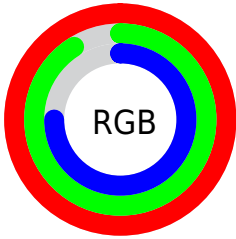
Format	Color
RYB	227, 255, 191
Decimal	16771263
CIELab	92.90, 1.70, 22.81
CIELCh	93, 22.878, 85.727
Yxy	82.7348, 0.3560, 0.3705
Android (android.graphics.Color)	4294961343 (0xFFFFE8BF)
YUV	234.2030, -21.2991, 18.2390
Hunter-Lab	90.9587, -3.1707, 23.8608

Details

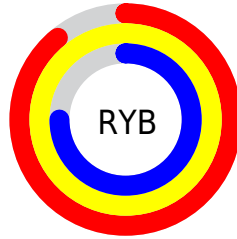
The Yxy color $82.7348, 0.3560, 0.3705$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $66.3811, 0.2717, 0.2837$, and the grayscale version is $82.5918, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.4954, 0.3173, 0.3367$, and $44.8626, 0.3665, 0.3794$ is the 20% darker color. If you saturate the color by 10%, you get $76.6900, 0.3762, 0.3876$, and if you desaturate by 10%, it is $89.2511, 0.3374, 0.3535$.

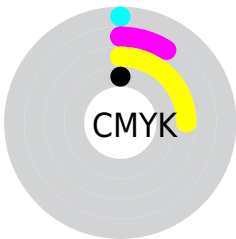
Distribution



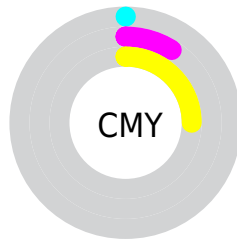
- Red (100%)
- Green (91%)
- Blue (75%)



- Red (89%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (9%)
- Yellow (25%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7348, 0.3560, 0.3705 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 82.7348, 0.3560, 0.3705 by changing the saturation by 10% instead.

 82.7348, 0.3560,
0.3705

 82.7348, 0.3560,
0.3705


504.1023, 0.3365,
0.3519

 61.9714, 0.3603,
0.3746


 137.2040, 0.3493,
0.3642

 45.0096, 0.3656,
0.3796


171.6785, 0.3467,
0.3617

 31.4650, 0.3722,
0.3857


211.4922, 0.3444,
0.3595

 20.9532, 0.3805,
0.3935

257.0295, 0.3424,
0.3576

 13.0898, 0.3915,
0.4037

308.6748, 0.3407,
0.3559

 7.4904, 0.4064,
0.4173

366.8124, 0.3391,

 3.7706, 0.4274,

0.3544

0.4362

431.8267, 0.3377,
0.3531

■ 1.5461, 0.4975,
0.5025

■ 0.3208, 0.5193,
0.4807

■ 82.7348, 0.3560,
0.3705

■ 82.7348, 0.3560,
0.3705

■ 76.6900, 0.3762,
0.3876

■ 89.2511, 0.3374,
0.3535

■ 71.0914, 0.3976,
0.4042

■ 96.2410, 0.3206,
0.3370

■ 65.9274, 0.4198,
0.4192

99.9970, 0.3127,
0.3290

■ 61.1817, 0.4418,
0.4315

■ 56.8361, 0.4625,
0.4399

■ 52.8700, 0.4808,
0.4435

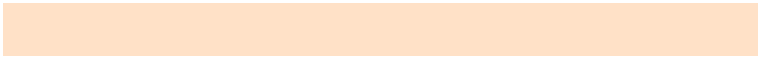
■ 49.2591, 0.4958,
0.4418

■ 47.6008, 0.5022,
0.4394

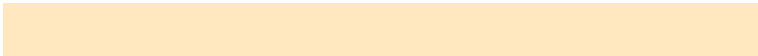
Harmonies

Analogous

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



82.7348, 0.3652, 0.3543



82.7348, 0.3560, 0.3705



82.7348, 0.3352, 0.3760

Triad

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



82.7348, 0.3560, 0.3705



82.7348, 0.2678, 0.3224



82.7348, 0.3148, 0.2942

Complementary

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



82.7348, 0.3560, 0.3705



66.3811, 0.2717, 0.2837

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.



82.7348, 0.2891, 0.2857



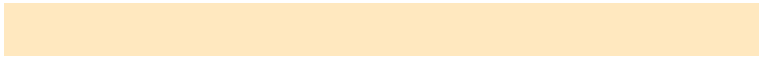
82.7348, 0.3560, 0.3705



82.7348, 0.2629, 0.3006

Square

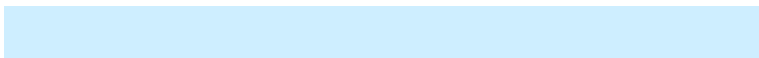
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7348, 0.3560, 0.3705



82.7348, 0.2844, 0.3475



82.7348, 0.2705, 0.2877



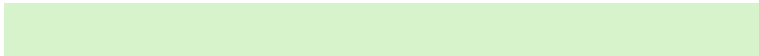
82.7348, 0.3409, 0.3111

Rectangle

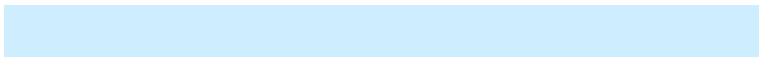
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7348, 0.3560, 0.3705



82.7348, 0.3178, 0.3720



82.7348, 0.2705, 0.2877



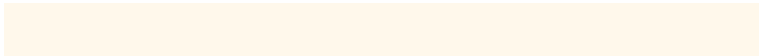
82.7348, 0.3058, 0.2903

Sweetspot

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



82.7385, 0.3560, 0.3705



94.1698, 0.3253, 0.3417



63.4018, 0.3467, 0.3051



19.9290, 0.3278, 0.3442



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

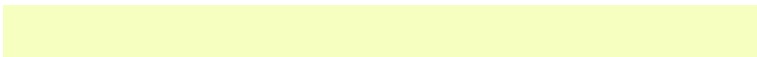
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7385, 0.3560, 0.3705



79.7225, 0.3657, 0.3789



94.9471, 0.3450, 0.3932



19.9290, 0.3278, 0.3442



25.1689, 0.5005, 0.4408



2.6577, 0.4888, 0.4501

Inverse Universe

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



66.3811, 0.2717, 0.2837



60.8729, 0.2630, 0.2733



56.7009, 0.2751, 0.2584



18.4453, 0.2979, 0.3133



7.9893, 0.1651, 0.1143



0.9759, 0.1713, 0.1368

Previews

White Background



This preview shows how the Yxy color 82.7348, 0.3560, 0.3705 looks on a white background.

Color Contrast Check

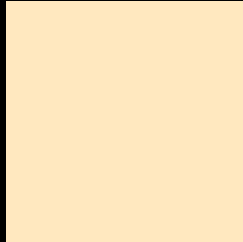
Large Text (above 18pt) WCAG AA × Fail

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 82.7348, 0.3560, 0.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

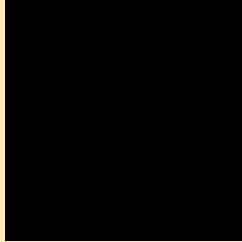
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.7348, 0.3560, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 82.7348, 0.3560, 0.3705.



This preview shows how white text looks on a background with the Yxy color 82.7348, 0.3560, 0.3705.

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

82.7348, 0.3560, 0.3705

Protanopia

82.6079, 0.3498, 0.3721

Deuteranopia

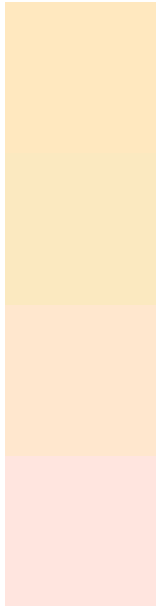
82.7087, 0.3408, 0.3451



Tritanopia

82.5490, 0.3231, 0.3153

Trichromacy



Original Color

82.7348, 0.3560, 0.3705

Protanomaly

82.5928, 0.3522, 0.3709

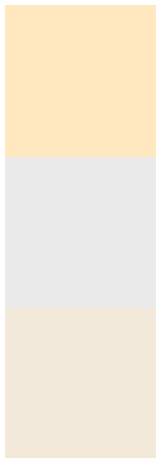
Deuteranomaly

82.8681, 0.3460, 0.3542

Tritanomaly

82.6263, 0.3349, 0.3350

Monochromacy



Original Color

82.7348, 0.3560, 0.3705

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.2170, 0.3285, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7348, 0.3560, 0.3705 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, 232, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 191)  
}
```

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, 232, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 191) }
```

Border

The CSS property to change the border of an element to Yxy 82.7348, 0.3560, 0.3705 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, 232, 191) }
```

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

```
.border{ border-color:rgb(255, 232, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7348, 0.3560, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 191) }
```

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

```
.background{ background-color: rgb(255,  
232, 191) }
```

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