

Converting Colors

$Y_{xy}(100.0000, 0.4246, 0.3829)$

Have a look what the booklet for
Yxy(100.0000, 0.4246, 0.3829)
contains.

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Color

Yxy(82.9328, 0.3708, 0.3956)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAA8
RGB	255, 234, 168
RGB Percent	100%, 92%, 66%
CMY	0.0000, 0.0823, 0.3410
CMYK	0.00, 0.08, 0.34, 0.00
HSL	46°, 100%, 83%
HSV	46°, 34%, 100%
XYZ	77.7338, 82.9328, 48.9714
YIQ	232.7550, 33.7020, -16.0740

Conversions

Conversions Part 2

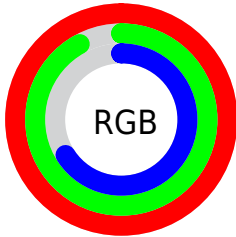
Format	Color
RYB	196, 255, 168
Decimal	16771752
CIELab	92.99, -2.18, 34.67
CIELCh	93, 34.739, 93.595
Yxy	82.9328, 0.3708, 0.3956
Android (android.graphics.Color)	4294961832 (0xFFFFEAA8)
YUV	232.7550, -31.9242, 19.5089
Hunter-Lab	91.0674, -7.0032, 31.8641

Details

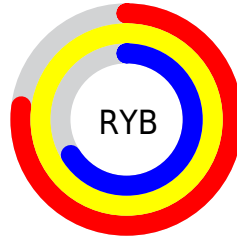
The Yxy color **82.9328, 0.3708, 0.3956** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.9563, 0.2541, 0.2519**, and the grayscale version is **81.5209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **44.9489, 0.3833, 0.4099** is the 20% darker color. If you saturate the color by 10%, you get **78.6317, 0.3896, 0.4148**, and if you desaturate by 10%, it is **87.5485, 0.3525, 0.3757**.

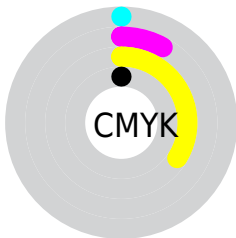
Distribution



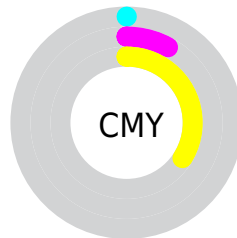
- Red (100%)
- Green (92%)
- Blue (66%)



- Red (77%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (8%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9328, 0.3708, 0.3956 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 82.9328, 0.3708, 0.3956 by changing the saturation by 10% instead.


 82.9328, 0.3708,
0.3956


 82.9328, 0.3708,
0.3956


504.7625, 0.3450,
0.3657

 62.1347, 0.3764,
0.4021


 137.4813, 0.3621,
0.3855

 45.1416, 0.3831,
0.4100

 172.0006, 0.3586,
0.3815

 31.5689, 0.3912,
0.4196


211.8623, 0.3556,
0.3780

 21.0325, 0.4013,
0.4316

257.4510, 0.3530,
0.3749

 13.1477, 0.4139,
0.4468

309.1509, 0.3506,
0.3722

 7.5304, 0.4297,
0.4663

367.3466, 0.3485,

 3.7959, 0.4558,

0.3698

0.4987

432.4223, 0.3467,
0.3677

■ 1.5601, 0.4741,
0.5259

■ 0.3305, 0.4412,
0.5588

■ 82.9328, 0.3708,
0.3956

■ 82.9328, 0.3708,
0.3956

■ 78.6317, 0.3896,
0.4148

■ 87.5485, 0.3525,
0.3757

■ 74.6235, 0.4083,
0.4322

■ 92.4804, 0.3351,
0.3559

■ 70.8979, 0.4261,
0.4469

■ 97.7423, 0.3190,
0.3366

■ 67.4402, 0.4421,
0.4578

100.0000, 0.3127,
0.3290

■ 64.2333, 0.4555,
0.4641

■ 61.2565, 0.4658,
0.4654

■ 59.5927, 0.4708,
0.4644

Harmonies

Analogous

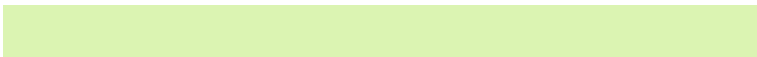
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9328, 0.3908, 0.3731



82.9328, 0.3708, 0.3956



82.9328, 0.3357, 0.4004

Triad

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



82.9328, 0.3708, 0.3956



82.9328, 0.2421, 0.3083



82.9328, 0.3262, 0.2831

Complementary

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



82.9328, 0.3708, 0.3956



51.9563, 0.2541, 0.2519

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.



82.9328, 0.2862, 0.2670



82.9328, 0.3708, 0.3956



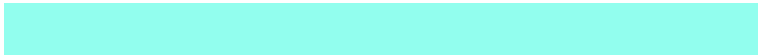
82.9328, 0.2399, 0.2790

Square

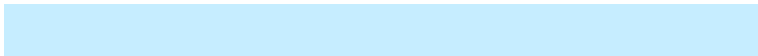
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9328, 0.3708, 0.3956



82.9328, 0.2620, 0.3469



82.9328, 0.2554, 0.2650



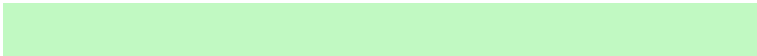
82.9328, 0.3645, 0.3098

Rectangle

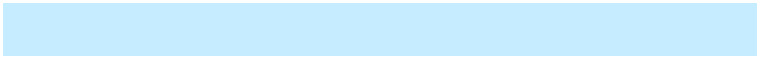
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9328, 0.3708, 0.3956



82.9328, 0.3090, 0.3908



82.9328, 0.2554, 0.2650



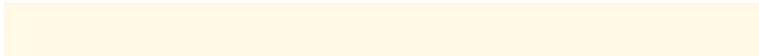
82.9328, 0.3124, 0.2764

Sweetspot

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



82.9360, 0.3708, 0.3956



94.5998, 0.3283, 0.3479



52.9853, 0.3731, 0.3064



20.0916, 0.3306, 0.3506



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

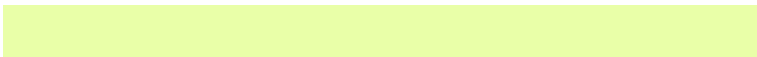
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9360, 0.3708, 0.3956



79.9358, 0.3838, 0.4089



91.7155, 0.3495, 0.4189



20.3038, 0.3275, 0.3469



31.3830, 0.4697, 0.4652



3.2250, 0.4627, 0.4708

Inverse Universe

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



51.9563, 0.2541, 0.2519



44.6766, 0.2409, 0.2331



46.1556, 0.2661, 0.2307



18.0897, 0.2979, 0.3104



5.7402, 0.1575, 0.0868



0.7201, 0.1632, 0.1073

Previews

White Background



This preview shows how the Yxy color 82.9328, 0.3708, 0.3956 looks on a white background.

Color Contrast Check

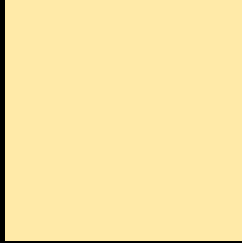
Large Text (above 18pt) WCAG AA × Fail

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 82.9328, 0.3708, 0.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

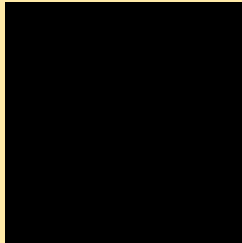
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9328, 0.3708, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 82.9328, 0.3708, 0.3956.



This preview shows how white text looks on a background with the Yxy color 82.9328, 0.3708, 0.3956.

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

82.9328, 0.3708, 0.3956

Protanopia

83.1265, 0.3690, 0.3969

Deuteranopia

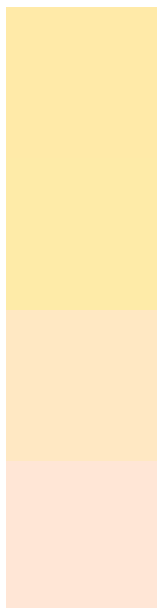
83.0650, 0.3433, 0.3501



Tritanopia

83.0381, 0.3236, 0.3172

Trichromacy



Original Color

82.9328, 0.3708, 0.3956

Protanomaly

83.3146, 0.3698, 0.3967

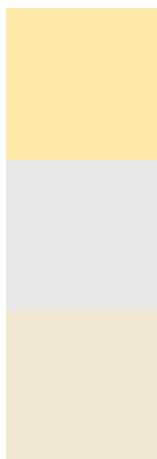
Deuteranomaly

82.9134, 0.3533, 0.3664

Tritanomaly

82.7087, 0.3408, 0.3451

Monochromacy



Original Color

82.9328, 0.3708, 0.3956

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.5820, 0.3337, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9328, 0.3708, 0.3956 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, 234, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 168)  
}
```

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, 234, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 168) }
```

Border

The CSS property to change the border of an element to Yxy 82.9328, 0.3708, 0.3956 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, 234, 168) }
```

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

```
.border{ border-color:rgb(255, 234, 168) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9328, 0.3708, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 168) }
```

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

```
.background{ background-color: rgb(255,  
234, 168) }
```

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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