

Converting Colors

$Y_{xy}(100.0000, 0.4120, 0.3617)$

Have a look what the booklet for
Yxy(100.0000, 0.4120, 0.3617)
contains.

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Color

Yxy(82.1734, 0.3563, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7BF
RGB	255, 231, 191
RGB Percent	100%, 91%, 75%
CMY	0.0000, 0.0942, 0.2509
CMYK	0.00, 0.09, 0.25, 0.00
HSL	37°, 100%, 87%
HSV	37°, 25%, 100%
XYZ	79.2378, 82.1734, 60.9796
YIQ	233.6160, 27.1440, -7.3520

Conversions

Conversions Part 2

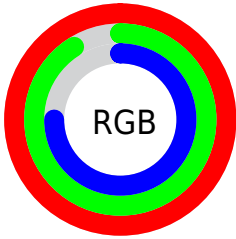
Format	Color
R_{YB}	229, 255, 191
Decimal	16771007
CIE Lab	92.65, 2.26, 22.47
CIE LCh	93, 22.587, 84.266
Yxy	82.1734, 0.3563, 0.3695
Android (android.graphics.Color)	4294961087 (0xFFFFE7BF)
YUV	233.6160, -21.0097, 18.7538
Hunter-Lab	90.6495, -2.6077, 23.5706

Details

The Yxy color **82.1734, 0.3563, 0.3695** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.9115, 0.2718, 0.2848**, and the grayscale version is **82.1129, 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 **75.9270, 0.3767, 0.3863**, and if you desaturate by 10%, it is **88.8915, 0.3375, 0.3529**.

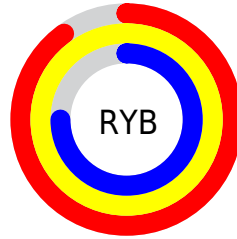
Distribution



Red (100%)

Green (91%)

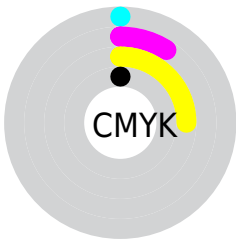
Blue (75%)



Red (90%)

Yellow (100%)

Blue (75%)

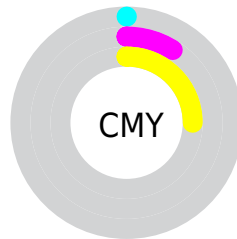


Cyan (0%)

Magenta (9%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1734, 0.3563, 0.3695 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 82.1734, 0.3563, 0.3695 by changing the saturation by 10% instead.

 82.1734, 0.3563,
0.3695

 82.1734, 0.3563,
0.3695


502.2275, 0.3366,
0.3513

 61.5085, 0.3607,
0.3735

 136.4171, 0.3496,
0.3633

 44.6357, 0.3660,
0.3783


170.7647, 0.3469,
0.3609

 31.1705, 0.3727,
0.3843


210.4420, 0.3446,
0.3588

 20.7287, 0.3811,
0.3920

255.8334, 0.3426,
0.3569

 12.9259, 0.3923,
0.4019

307.3232, 0.3408,
0.3553

 7.3775, 0.4075,
0.4152

365.2959, 0.3393,

 3.6993, 0.4290,

0.3538

0.4335

430.1359, 0.3379,
0.3525

1.5068, 0.5009,
0.4991

0.2935, 0.5323,
0.4677

82.1734, 0.3563,
0.3695

82.1734, 0.3563,
0.3695

75.9270, 0.3767,
0.3863

88.8915, 0.3375,
0.3529

70.1627, 0.3985,
0.4025

96.1202, 0.3206,
0.3368

64.8561, 0.4212,
0.4171

100.0000, 0.3127,
0.3290

59.9903, 0.4438,
0.4291

■ 55.5465, 0.4653,
0.4372

■ 51.5035, 0.4844,
0.4404

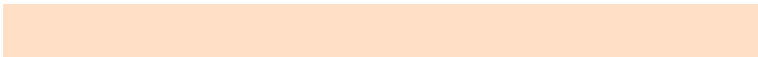
■ 47.8361, 0.5001,
0.4383

■ 46.1588, 0.5068,
0.4358

Harmonies

Analogous

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



82.1734, 0.3647, 0.3530



82.1734, 0.3563, 0.3695



82.1734, 0.3361, 0.3755

Triad

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



82.1734, 0.3563, 0.3695



82.1734, 0.2688, 0.3237



82.1734, 0.3135, 0.2939

Complementary

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



82.1734, 0.3563, 0.3695



66.9115, 0.2718, 0.2848

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.



82.1734, 0.2883, 0.2860



82.1734, 0.3563, 0.3695



82.1734, 0.2633, 0.3018

Square

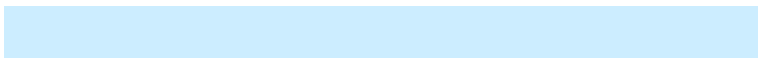
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1734, 0.3563, 0.3695



82.1734, 0.2857, 0.3484



82.1734, 0.2703, 0.2885



82.1734, 0.3395, 0.3103

Rectangle

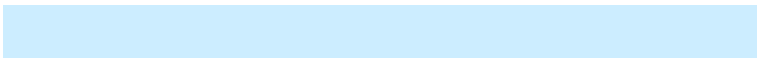
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1734, 0.3563, 0.3695



82.1734, 0.3191, 0.3720



82.1734, 0.2703, 0.2885



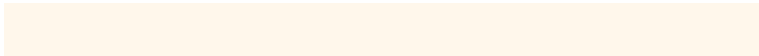
82.1734, 0.3047, 0.2902

Sweetspot

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



82.1651, 0.3563, 0.3695



93.9671, 0.3253, 0.3414



63.4600, 0.3459, 0.3040



19.8778, 0.3279, 0.3438



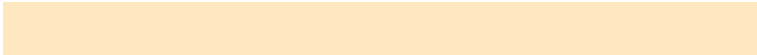
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.1651, 0.3563, 0.3695



79.0447, 0.3661, 0.3778



95.1535, 0.3458, 0.3930



19.8778, 0.3279, 0.3438



24.4154, 0.5050, 0.4372



2.5874, 0.4926, 0.4471

Inverse Universe

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



66.9115, 0.2718, 0.2848



61.4721, 0.2632, 0.2748



56.5564, 0.2744, 0.2582



18.4947, 0.2979, 0.3137



8.3785, 0.1663, 0.1188



1.0175, 0.1726, 0.1412

Previews

White Background



This preview shows how the Yxy color 82.1734, 0.3563, 0.3695 looks on a white background.

Color Contrast Check

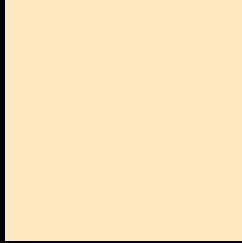
Large Text (above 18pt) WCAG AA × Fail

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 82.1734, 0.3563, 0.3695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

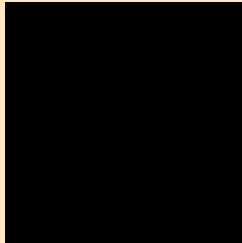
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1734, 0.3563, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 82.1734, 0.3563, 0.3695.



This preview shows how white text looks on a background with the Yxy color 82.1734, 0.3563, 0.3695.

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

82.1734, 0.3563, 0.3695

Protanopia

82.0401, 0.3500, 0.3712

Deuteranopia

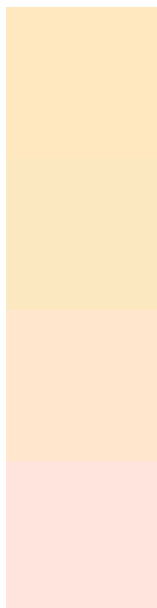
82.1027, 0.3416, 0.3451



Tritanopia

81.9440, 0.3238, 0.3153

Trichromacy



Original Color

82.1734, 0.3563, 0.3695

Protanomaly

82.0282, 0.3524, 0.3699

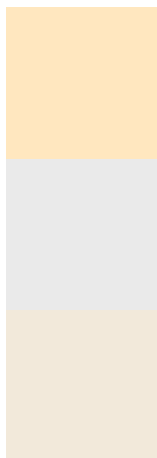
Deuteranomaly

82.2614, 0.3469, 0.3543

Tritanomaly

82.0207, 0.3357, 0.3351

Monochromacy



Original Color

82.1734, 0.3563, 0.3695

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 82.1734, 0.3563, 0.3695 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, 231, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 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, 231, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 191) }
```

Border

The CSS property to change the border of an element to Yxy 82.1734, 0.3563, 0.3695 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, 231, 191) }
```

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

```
.border{ border-color:rgb(255, 231, 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, 231, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1734, 0.3563, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 191) }
```

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

```
.background{ background-color: rgb(255,  
231, 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](#).

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