

Converting Colors

$Y_{xy}(72.6763, 0.3649, 0.3785)$

Have a look what the booklet for
Yxy(72.6763, 0.3649, 0.3785)
contains.

Yxy(72.8747, 0.3643, 0.3788)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.8747, 0.3643, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	F4DBAC
RGB	244, 219, 172
RGB Percent	96%, 86%, 67%
CMY	0.0432, 0.1411, 0.3253
CMYK	0.00, 0.10, 0.29, 0.04
HSL	39°, 77%, 82%
HSV	39°, 29%, 96%
XYZ	70.0851, 72.8747, 49.4232
YIQ	221.1170, 29.9870, -9.3170

Conversions

Conversions Part 2

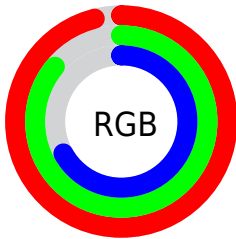
Format	Color
RYB	210, 244, 172
Decimal	16047020
CIELab	88.39, 1.77, 26.27
CIELCh	88, 26.334, 86.149
Yxy	72.8747, 0.3643, 0.3788
Android (android.graphics.Color)	4294237100 (0xFFF4DBAC)
YUV	221.1170, -24.2147, 20.0684
Hunter-Lab	85.3667, -2.8451, 25.4306

Details

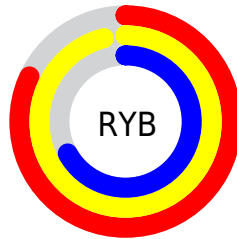
The Yxy color **72.8747, 0.3643, 0.3788** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.2475, 0.2640, 0.2735**, and the grayscale version is **72.5532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **38.4476, 0.3768, 0.3905** is the 20% darker color. If you saturate the color by 10%, you get **67.7166, 0.3848, 0.3960**, and if you desaturate by 10%, it is **78.4365, 0.3452, 0.3614**.

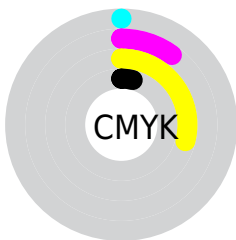
Distribution



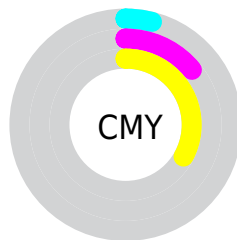
- Red (96%)
- Green (86%)
- Blue (67%)



- Red (82%)
- Yellow (96%)
- Blue (67%)



- Cyan (0%)
- Magenta (10%)
- Yellow (29%)
- Black (4%)



- Cyan (4%)
- Magenta (14%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8747, 0.3643, 0.3788 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 72.8747, 0.3643, 0.3788 by changing the saturation by 10% instead.


 72.8747, 0.3643,
0.3788

 72.8747, 0.3643,
0.3788


470.5804, 0.3405,
0.3560

 53.8735, 0.3697,
0.3839


 123.2993, 0.3561,
0.3710

 38.5005, 0.3762,
0.3901


155.4915, 0.3529,
0.3679

 26.3714, 0.3844,
0.3978


192.8495, 0.3501,
0.3653

 17.1017, 0.3949,
0.4077

235.7578, 0.3477,
0.3629

 10.3070, 0.4088,
0.4205

284.6006, 0.3456,
0.3609

 5.6030, 0.4275,
0.4376

339.7623, 0.3437,

 2.6052, 0.4623,

0.3591

0.4694

401.6275, 0.3420,
0.3575

0.9293, 0.4998,
0.5002

0.0000, 0.0000,
0.0000

72.8747, 0.3643,
0.3788

72.8747, 0.3643,
0.3788

67.7166, 0.3848,
0.3960

78.4365, 0.3452,
0.3614

62.9395, 0.4063,
0.4123

84.4039, 0.3277,
0.3444

58.5329, 0.4280,
0.4265

90.7916, 0.3119,
0.3282

54.4820, 0.4491,
0.4375

96.6313, 0.3060,
0.3269

■ 50.7700, 0.4683,
0.4442

■ 97.9702, 0.3060,
0.3290

■ 47.3776, 0.4848,
0.4458

■ 44.2764, 0.4980,
0.4425

■ 44.1232, 0.4987,
0.4423

Harmonies

Analogous

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



72.8747, 0.3758, 0.3591



72.8747, 0.3643, 0.3788



72.8747, 0.3390, 0.3857

Triad

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



72.8747, 0.3643, 0.3788



72.8747, 0.2590, 0.3203



72.8747, 0.3155, 0.2879

Complementary

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



72.8747, 0.3643, 0.3788



55.2475, 0.2640, 0.2735

Split Complementary

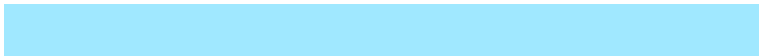
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8747, 0.2848, 0.2776



72.8747, 0.3643, 0.3788



72.8747, 0.2534, 0.2944

Square

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



72.8747, 0.3643, 0.3788



72.8747, 0.2784, 0.3508



72.8747, 0.2625, 0.2795



72.8747, 0.3469, 0.3079

Rectangle

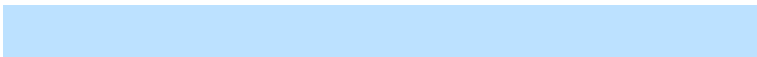
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8747, 0.3643, 0.3788



72.8747, 0.3181, 0.3809



72.8747, 0.2625, 0.2795



72.8747, 0.3048, 0.2832

Sweetspot

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



72.8780, 0.3643, 0.3788



93.6305, 0.3269, 0.3436



52.7934, 0.3556, 0.3020



19.8280, 0.3294, 0.3461



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.



72.8780, 0.3643, 0.3788



77.3236, 0.3756, 0.3885



85.0280, 0.3497, 0.4047



18.2885, 0.3277, 0.3444



24.2606, 0.4970, 0.4435



2.3239, 0.4848, 0.4533

Inverse Universe

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



55.2475, 0.2640, 0.2735



55.1121, 0.2540, 0.2610



46.0995, 0.2683, 0.2446



16.8675, 0.2980, 0.3131



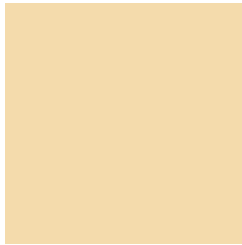
7.2892, 0.1643, 0.1114



0.8253, 0.1712, 0.1363

Previews

White Background



This preview shows how the Yxy color 72.8747, 0.3643, 0.3788 looks on a white background.

Color Contrast Check

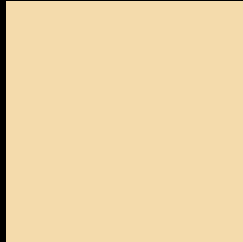
Large Text (above 18pt) WCAG AA × Fail

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 72.8747, 0.3643, 0.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

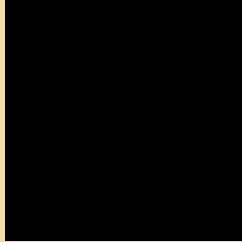
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8747, 0.3643, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 72.8747, 0.3643, 0.3788.



This preview shows how white text looks on a background with the Yxy color 72.8747, 0.3643, 0.3788.

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

72.8747, 0.3643, 0.3788

Protanopia

73.0925, 0.3566, 0.3819

Deuteranopia

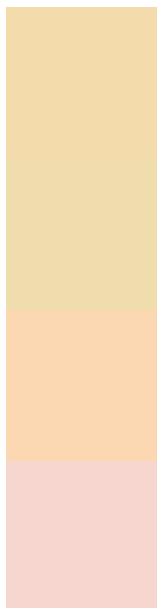
72.6893, 0.3678, 0.3631



Tritanopia

72.5140, 0.3299, 0.3118

Trichromacy



Original Color

72.8747, 0.3643, 0.3788

Protanomaly

73.0808, 0.3592, 0.3805

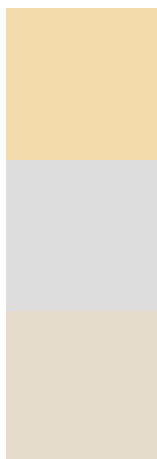
Deuteranomaly

72.8353, 0.3663, 0.3686

Tritanomaly

72.6037, 0.3424, 0.3353

Monochromacy



Original Color

72.8747, 0.3643, 0.3788

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.1562, 0.3308, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8747, 0.3643, 0.3788 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(244, 219, 172)` looks like.

```
.text, #text, p{  
    color:rgb(244, 219, 172)  
}
```

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(244, 219, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 219, 172) }
```

Border

The CSS property to change the border of an element to Yxy 72.8747, 0.3643, 0.3788 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(244, 219, 172) }
```

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

```
.border{ border-color:rgb(244, 219, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 219, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 219, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 219, 172);  
box-shadow:4px 4px 4px 4px rgb(244, 219,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8747, 0.3643, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 219, 172) }
```

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

```
.background{ background-color: rgb(244,  
219, 172) }
```

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