

Converting Colors

$Y_{xy}(73.1232, 0.3773, 0.4091)$

Have a look what the booklet for
Yxy(73.1232, 0.3773, 0.4091)
contains.

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Color

Yxy(72.8744, 0.3775, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	F0DE93
RGB	240, 222, 147
RGB Percent	94%, 87%, 58%
CMY	0.0590, 0.1293, 0.4235
CMYK	0.00, 0.07, 0.39, 0.06
HSL	48°, 76%, 76%
HSV	48°, 39%, 94%
XYZ	67.3112, 72.8744, 38.1222
YIQ	218.8320, 34.8030, -19.5090

Conversions

Conversions Part 2

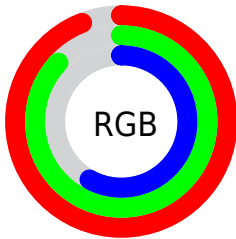
Format	Color
R _Y B	169, 240, 147
Decimal	15785619
CIE Lab	88.39, -4.27, 39.02
CIE LCh	88, 39.250, 96.247
Yxy	72.8744, 0.3775, 0.4087
Android (android.graphics.Color)	4293975699 (0xFFFF0DE93)
YUV	218.8320, -35.4132, 18.5643
Hunter-Lab	85.3665, -8.6447, 33.2794

Details

The Yxy color **72.8744, 0.3775, 0.4087** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.3783, 0.2446, 0.2338**, and the grayscale version is **70.9463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **38.5309, 0.3920, 0.4265** is the 20% darker color. If you saturate the color by 10%, you get **69.7756, 0.3951, 0.4281**, and if you desaturate by 10%, it is **76.2046, 0.3598, 0.3881**.

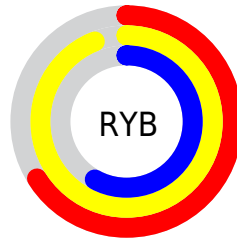
Distribution



Red (94%)

Green (87%)

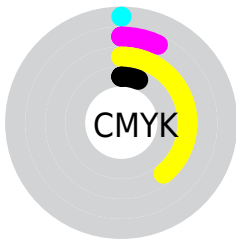
Blue (58%)



Red (66%)

Yellow (94%)

Blue (58%)

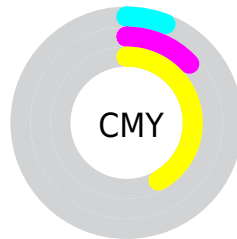


Cyan (0%)

Magenta (7%)

Yellow (39%)

Black (6%)



Cyan (6%)


Magenta (13%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8744, 0.3775, 0.4087 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 72.8744, 0.3775, 0.4087 by changing the saturation by 10% instead.

 72.8744, 0.3775,
0.4087


 72.8744, 0.3775,
0.4087


470.5794, 0.3483,
0.3721

 53.8733, 0.3838,
0.4168


 123.2989, 0.3676,
0.3962

 38.5004, 0.3913,
0.4266


 155.4910, 0.3637,
0.3913

 26.3713, 0.4005,
0.4386


192.8490, 0.3603,
0.3870

 17.1016, 0.4116,
0.4537

235.7571, 0.3573,
0.3833

 10.3069, 0.4250,
0.4725

284.5998, 0.3547,
0.3800

 5.6029, 0.4414,
0.4970

339.7615, 0.3523,

 2.6052, 0.4654,

0.3771

0.5346

401.6266, 0.3502,
0.3745

■ 0.9293, 0.4558,
0.5442

■ 0.0000, 0.0000,
0.0000

■ 72.8744, 0.3775,
0.4087

■ 72.8744, 0.3775,
0.4087

■ 69.7756, 0.3951,
0.4281

■ 76.2046, 0.3598,
0.3881

■ 66.8877, 0.4120,
0.4452

■ 79.7655, 0.3425,
0.3671


■ 64.2025, 0.4273,
0.4590


■ 83.5694, 0.3261,
0.3464


■ 61.7071, 0.4404,
0.4686


■ 87.6246, 0.3109,
0.3265


 59.3861, 0.4506,
0.4735


 91.1431, 0.3036,
0.3193

 57.2173, 0.4580,
0.4740

 93.9818, 0.3036,
0.3239

 56.9505, 0.4588,
0.4739

 96.8911, 0.3035,
0.3284

 97.2571, 0.3035,
0.3290

Harmonies

Analogous

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



72.8744, 0.4035, 0.3828



72.8744, 0.3775, 0.4087



72.8744, 0.3350, 0.4132

Triad

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



72.8744, 0.3775, 0.4087



72.8744, 0.2293, 0.3003



72.8744, 0.3326, 0.2779

Complementary

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



72.8744, 0.3775, 0.4087



39.3783, 0.2446, 0.2338

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.



72.8744, 0.2852, 0.2580



72.8744, 0.3775, 0.4087



72.8744, 0.2287, 0.2679

Square

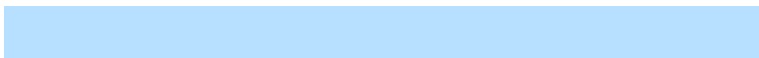
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8744, 0.3775, 0.4087



72.8744, 0.2503, 0.3458



72.8744, 0.2482, 0.2538



72.8744, 0.3773, 0.3093

Rectangle

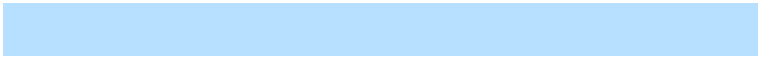
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8744, 0.3775, 0.4087



72.8744, 0.3036, 0.4004



72.8744, 0.2482, 0.2538



72.8744, 0.3163, 0.2697

Sweetspot

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



72.8778, 0.3775, 0.4087



94.4747, 0.3314, 0.3532



42.1235, 0.3897, 0.3085



20.0981, 0.3336, 0.3559



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.



72.8778, 0.3775, 0.4087



81.0085, 0.3906, 0.4232



78.4066, 0.3506, 0.4323



17.9105, 0.3273, 0.3479



31.3774, 0.4581, 0.4745



2.7416, 0.4520, 0.4793

Inverse Universe

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



39.3783, 0.2446, 0.2338



37.8536, 0.2300, 0.2118



36.2576, 0.2621, 0.2169



15.7222, 0.2980, 0.3093



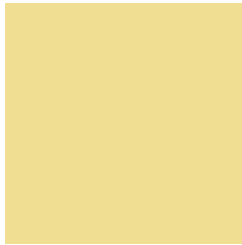
4.6708, 0.1552, 0.0786



0.5218, 0.1614, 0.1010

Previews

White Background



This preview shows how the Yxy color 72.8744, 0.3775, 0.4087 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 72.8744, 0.3775, 0.4087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

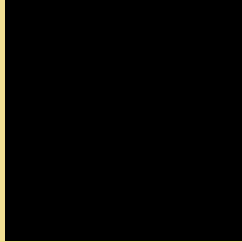
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8744, 0.3775, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 72.8744, 0.3775, 0.4087.



This preview shows how white text looks on a background with the Yxy color 72.8744, 0.3775, 0.4087.

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

72.8744, 0.3775, 0.4087

Protanopia

73.0499, 0.3783, 0.4084

Deuteranopia

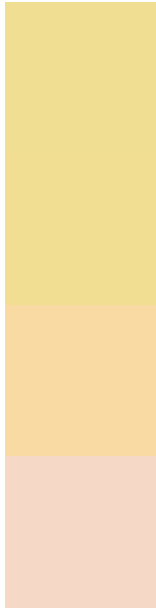
72.8394, 0.3742, 0.3734



Tritanopia

72.8281, 0.3290, 0.3128

Trichromacy



Original Color

72.8744, 0.3775, 0.4087

Protanomaly

73.0499, 0.3783, 0.4084

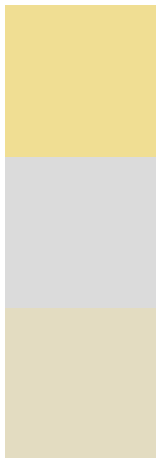
Deuteranomaly

73.1111, 0.3758, 0.3864

Tritanomaly

72.8281, 0.3471, 0.3469

Monochromacy



Original Color

72.8744, 0.3775, 0.4087

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.3675, 0.3362, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8744, 0.3775, 0.4087 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(240, 222, 147)` looks like.

```
.text, #text, p{  
    color:rgb(240, 222, 147)  
}
```

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(240, 222, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 222, 147) }
```

Border

The CSS property to change the border of an element to Yxy 72.8744, 0.3775, 0.4087 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(240, 222, 147) }
```

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

```
.border{ border-color:rgb(240, 222, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 222, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 222, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 222, 147);  
box-shadow:4px 4px 4px 4px rgb(240, 222,  
147) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.8744, 0.3775, 0.4087$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 222, 147) }
```

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

```
.background{ background-color: rgb(240,  
222, 147) }
```

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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