

Converting Colors

$Y_{xy}(69.5970, 0.3626, 0.3743)$

Have a look what the booklet for
Yxy(69.5970, 0.3626, 0.3743)
contains.

Yxy(69.5970, 0.3626, 0.3743)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.5970, 0.3626, 0.3743)

Conversions

Conversions Part 1

Format	Color
Hex	F0D6AC
RGB	240, 214, 172
RGB Percent	94%, 84%, 67%
CMY	0.0590, 0.1607, 0.3254
CMYK	0.00, 0.11, 0.28, 0.06
HSL	37°, 69%, 81%
HSV	37°, 28%, 94%
XYZ	67.4215, 69.5970, 48.9206
YIQ	216.9860, 28.9780, -7.5500

Conversions

Conversions Part 2

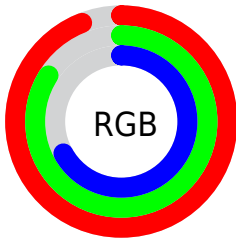
Format	Color
RYB	214, 240, 172
Decimal	15783596
CIELab	86.80, 2.82, 24.06
CIElCh	87, 24.222, 83.311
Yxy	69.5970, 0.3626, 0.3743
Android (android.graphics.Color)	4293973676 (0xFFF0D6AC)
YUV	216.9860, -22.1781, 20.1833
Hunter-Lab	83.4248, -1.7349, 23.6295

Details

The Yxy color **69.5970, 0.3626, 0.3743** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.4392, 0.2664, 0.2790**, and the grayscale version is **69.5185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **36.1955, 0.3749, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **64.2495, 0.3836, 0.3908**, and if you desaturate by 10%, it is **75.3784, 0.3433, 0.3578**.

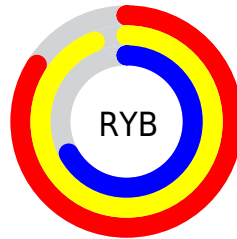
Distribution



Red (94%)

Green (84%)

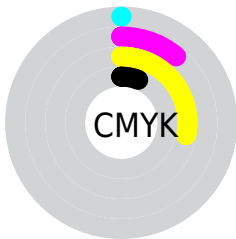
Blue (67%)



Red (84%)

Yellow (94%)

Blue (67%)

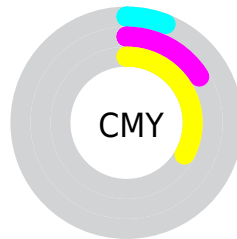


Cyan (0%)

Magenta (11%)

Yellow (28%)

Black (6%)



Cyan (6%)


Magenta (16%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.5970, 0.3626, 0.3743 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 69.5970, 0.3626, 0.3743 by changing the saturation by 10% instead.


 69.5970, 0.3626,
0.3743

 69.5970, 0.3626,
0.3743


459.1337, 0.3394,
0.3534

 51.1981, 0.3679,
0.3790

 118.6339, 0.3545,
0.3671

 36.3663, 0.3744,
0.3847

150.0406, 0.3514,
0.3643

 24.7172, 0.3827,
0.3919


186.5520, 0.3487,
0.3619

 15.8665, 0.3933,
0.4011

228.5526, 0.3463,
0.3598

 9.4297, 0.4076,
0.4132

276.4266, 0.3443,
0.3579

 5.0225, 0.4273,
0.4295

330.5586, 0.3425,

 2.2605, 0.4669,

0.3562

0.4629

391.3328, 0.3408,
0.3548

0.7527, 0.5103,
0.4897

0.0000, 0.0000,
0.0000

69.5970, 0.3626,
0.3743

69.5970, 0.3626,
0.3743

64.2495, 0.3836,
0.3908

75.3784, 0.3433,
0.3578

59.3133, 0.4058,
0.4064

81.5966, 0.3258,
0.3417

54.7772, 0.4288,
0.4202

88.2666, 0.3102,
0.3265

50.6259, 0.4514,
0.4310

94.5332, 0.3036,
0.3247

■ 46.8425, 0.4725,
0.4376

■ 97.2596, 0.3035,
0.3290

■ 43.4075, 0.4909,
0.4391

■ 40.2953, 0.5060,
0.4354

■ 39.7971, 0.5084,
0.4345

Harmonies

Analogous

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



69.5970, 0.3718, 0.3552



69.5970, 0.3626, 0.3743



69.5970, 0.3400, 0.3819

Triad

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



69.5970, 0.3626, 0.3743



69.5970, 0.2636, 0.3237



69.5970, 0.3125, 0.2891

Complementary

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



69.5970, 0.3626, 0.3743



55.4392, 0.2664, 0.2790

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.



69.5970, 0.2842, 0.2804



69.5970, 0.3626, 0.3743



69.5970, 0.2570, 0.2987

Square

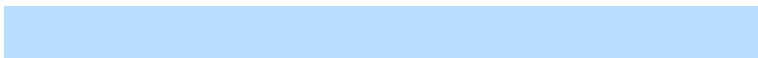
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5970, 0.3626, 0.3743



69.5970, 0.2829, 0.3519



69.5970, 0.2643, 0.2835



69.5970, 0.3421, 0.3072

Rectangle

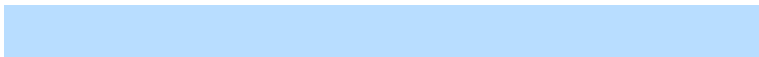
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.5970, 0.3626, 0.3743



69.5970, 0.3207, 0.3784



69.5970, 0.2643, 0.2835



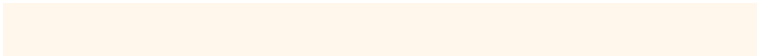
69.5970, 0.3025, 0.2850

Sweetspot

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



69.6002, 0.3626, 0.3743



93.8840, 0.3254, 0.3413



52.1138, 0.3513, 0.3007



19.8569, 0.3279, 0.3437



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.



69.6002, 0.3626, 0.3743



76.2796, 0.3746, 0.3839



82.4430, 0.3498, 0.4012



17.3859, 0.3278, 0.3436



22.0572, 0.5066, 0.4360



2.0265, 0.4920, 0.4475

Inverse Universe

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



55.4392, 0.2664, 0.2790



57.5450, 0.2562, 0.2669



45.5005, 0.2688, 0.2481



16.2184, 0.2980, 0.3140



7.8401, 0.1670, 0.1211



0.8387, 0.1743, 0.1473

Previews

White Background



This preview shows how the Yxy color 69.5970, 0.3626, 0.3743 looks on a white background.

Color Contrast Check

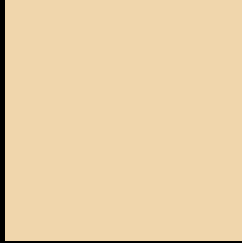
Large Text (above 18pt) WCAG AA × Fail

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 69.5970, 0.3626, 0.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

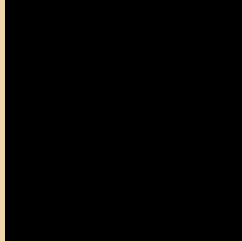
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.5970, 0.3626, 0.3743

Background



This preview shows how black text looks on a background with the Yxy color 69.5970, 0.3626, 0.3743.



This preview shows how white text looks on a background with the Yxy color 69.5970, 0.3626, 0.3743.

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

69.5970, 0.3626, 0.3743

Protanopia

69.6318, 0.3540, 0.3775

Deuteranopia

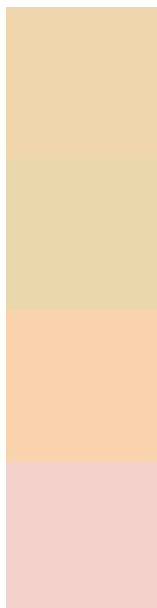
69.6889, 0.3746, 0.3665



Tritanopia

69.5462, 0.3309, 0.3125

Trichromacy



Original Color

69.5970, 0.3626, 0.3743

Protanomaly

69.6213, 0.3566, 0.3760

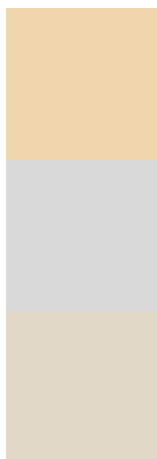
Deuteranomaly

69.7454, 0.3699, 0.3691

Tritanomaly

69.6859, 0.3430, 0.3354

Monochromacy



Original Color

69.5970, 0.3626, 0.3743

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.3363, 0.3297, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5970, 0.3626, 0.3743 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, 214, 172)` looks like.

```
.text, #text, p{  
    color:rgb(240, 214, 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(240, 214, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 214, 172) }
```

Border

The CSS property to change the border of an element to Yxy 69.5970, 0.3626, 0.3743 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, 214, 172) }
```

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

```
.border{ border-color:rgb(240, 214, 172) }
```

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

Here you see how a box with a 4 pixel rgb(240, 214, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 214, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 214, 172);  
box-shadow:4px 4px 4px 4px rgb(240, 214,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5970, 0.3626, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 214, 172) }
```

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

```
.background{ background-color: rgb(240,  
214, 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