

Converting Colors

$Y_{xy}(70.6719, 0.4074, 0.4330)$

Have a look what the booklet for
Yxy(70.6719, 0.4074, 0.4330)
contains.

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Color

Yxy(70.7971, 0.4073, 0.4332)

Conversions

Conversions Part 1

Format	Color
Hex	F8D972
RGB	248, 217, 114
RGB Percent	97%, 85%, 45%
CMY	0.0274, 0.1490, 0.5531
CMYK	0.00, 0.13, 0.54, 0.03
HSL	46°, 91%, 71%
HSV	46°, 54%, 97%
XYZ	66.5643, 70.7971, 26.0668
YIQ	214.5270, 51.5390, -25.4610

Conversions

Conversions Part 2

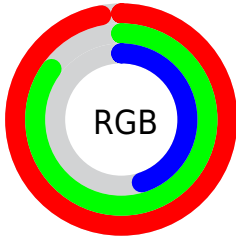
Format	Color
RYB	154, 248, 114
Decimal	16308594
CIELab	87.39, -1.61, 54.07
CIELCh	87, 54.090, 91.705
Yxy	70.7971, 0.4073, 0.4332
Android (android.graphics.Color)	4294498674 (0xFFFF8D972)
YUV	214.5270, -49.5598, 29.3558
Hunter-Lab	84.1410, -6.0347, 40.5307

Details

The Yxy color **70.7971, 0.4073, 0.4332** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.5996, 0.2158, 0.1942**, and the grayscale version is **67.9349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **37.0073, 0.4259, 0.4532** is the 20% darker color. If you saturate the color by 10%, you get **67.4033, 0.4247, 0.4481**, and if you desaturate by 10%, it is **74.4535, 0.3889, 0.4155**.

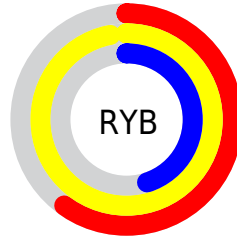
Distribution



Red (97%)

Green (85%)

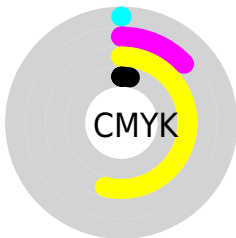
Blue (45%)



Red (60%)

Yellow (97%)

Blue (45%)

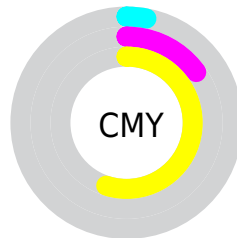


Cyan (0%)

Magenta (13%)

Yellow (54%)

Black (3%)



Cyan (3%)


Magenta (15%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7971, 0.4073, 0.4332 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 70.7971, 0.4073, 0.4332 by changing the saturation by 10% instead.


 70.7971, 0.4073,
0.4332

 70.7971, 0.4073,
0.4332


463.3438, 0.3655,
0.3868

 52.1766, 0.4159,
0.4428


 120.3448, 0.3935,
0.4178

 37.1459, 0.4258,
0.4541


 152.0408, 0.3879,
0.4116

 25.3205, 0.4373,
0.4672


 188.8641, 0.3830,
0.4061

 16.3160, 0.4502,
0.4821

231.1991, 0.3787,
0.4013

 9.7480, 0.4641,
0.4987

279.4301, 0.3748,
0.3971

 5.2322, 0.4808,
0.5192

333.9417, 0.3714,

 2.3841, 0.4789,

0.3933

0.5211

395.1181, 0.3683,
0.3899

■ 0.8177, 0.4744,
0.5256

■ 0.0000, 0.0000,
0.0000

■ 70.7971, 0.4073,
0.4332

■ 70.7971, 0.4073,
0.4332

■ 67.4033, 0.4247,
0.4481

■ 74.4535, 0.3889,
0.4155

■ 64.2483, 0.4403,
0.4592

■ 78.3749, 0.3703,
0.3962

■ 61.3198, 0.4534,
0.4657

■ 82.5756, 0.3522,
0.3761

■ 58.5987, 0.4634,
0.4673

■ 87.0662, 0.3349,
0.3561

■ 57.0612, 0.4682,
0.4665

■ 91.8563, 0.3189,
0.3366

■ 96.4437, 0.3085,
0.3255

■ 98.6993, 0.3084,
0.3290

Harmonies

Analogous

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



70.7971, 0.4404, 0.3918



70.7971, 0.4073, 0.4332



70.7971, 0.3506, 0.4495

Triad

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



70.7971, 0.4073, 0.4332



70.7971, 0.2026, 0.2956



70.7971, 0.3289, 0.2552

Complementary

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



70.7971, 0.4073, 0.4332



30.5996, 0.2158, 0.1942

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.



70.7971, 0.2653, 0.2319



70.7971, 0.4073, 0.4332



70.7971, 0.1984, 0.2493

Square

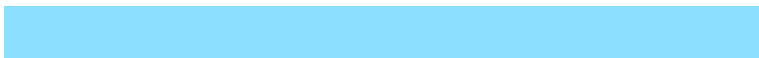
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7971, 0.4073, 0.4332



70.7971, 0.2333, 0.3619



70.7971, 0.2198, 0.2288



70.7971, 0.3942, 0.2941

Rectangle

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



70.7971, 0.4073, 0.4332



70.7971, 0.3078, 0.4373



70.7971, 0.2198, 0.2288



70.7971, 0.3065, 0.2454

Sweetspot

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



70.8004, 0.4073, 0.4332



91.7696, 0.3382, 0.3600



34.0393, 0.4346, 0.2967



19.4287, 0.3418, 0.3641



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.



70.8004, 0.4073, 0.4332



71.4315, 0.4265, 0.4495



82.3960, 0.3654, 0.4717



19.4698, 0.3275, 0.3471



31.0439, 0.4672, 0.4672



3.0347, 0.4603, 0.4727

Inverse Universe

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



30.5996, 0.2158, 0.1942



24.6901, 0.1960, 0.1621



25.2634, 0.2326, 0.1656



17.2946, 0.2979, 0.3102



5.4371, 0.1570, 0.0850



0.6575, 0.1629, 0.1064

Previews

White Background



This preview shows how the Yxy color 70.7971, 0.4073, 0.4332 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 70.7971, 0.4073, 0.4332 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 70.7971, 0.4073, 0.4332

Background



This preview shows how black text looks on a background with the Yxy color 70.7971, 0.4073, 0.4332.



This preview shows how white text looks on a background with the Yxy color 70.7971, 0.4073, 0.4332.

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

70.7971, 0.4073, 0.4332

Protanopia

70.7781, 0.4008, 0.4362

Deuteranopia

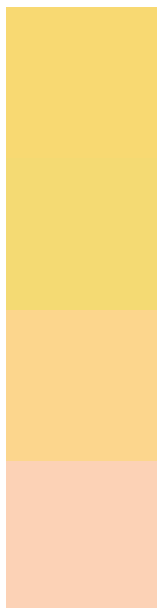
70.7473, 0.3870, 0.3868



Tritanopia

70.6231, 0.3394, 0.3139

Trichromacy



Original Color

70.7971, 0.4073, 0.4332

Protanomaly

70.6137, 0.4030, 0.4346

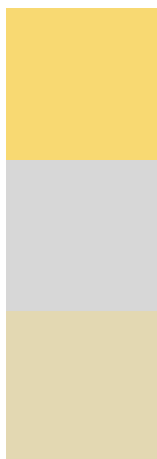
Deuteranomaly

70.7117, 0.3945, 0.4042

Tritanomaly

70.1660, 0.3658, 0.3583

Monochromacy



Original Color

70.7971, 0.4073, 0.4332

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.6570, 0.3476, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7971, 0.4073, 0.4332 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(248, 217, 114)` looks like.

```
.text, #text, p{  
    color:rgb(248, 217, 114)  
}
```

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(248, 217, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 217, 114) }
```

Border

The CSS property to change the border of an element to Yxy 70.7971, 0.4073, 0.4332 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(248, 217, 114) }
```

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

```
.border{ border-color:rgb(248, 217, 114) }
```

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

Here you see how a box with a 4 pixel rgb(248, 217, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 217, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 217, 114);  
box-shadow:4px 4px 4px 4px rgb(248, 217,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7971, 0.4073, 0.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 217, 114) }
```

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

```
.background{ background-color: rgb(248,  
217, 114) }
```

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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