

Converting Colors

$Y_{xy}(84.1732, 0.4418, 0.4062)$

Have a look what the booklet for
Yxy(84.1732, 0.4418, 0.4062)
contains.

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Color

Yxy(73.4553, 0.4037, 0.4212)

Conversions

Conversions Part 1

Format	Color
Hex	FFDB7F
RGB	255, 219, 127
RGB Percent	100%, 86%, 50%
CMY	0.0000, 0.1412, 0.5021
CMYK	0.00, 0.14, 0.50, 0.00
HSL	43°, 100%, 75%
HSV	43°, 50%, 100%
XYZ	70.4034, 73.4553, 30.5366
YIQ	219.2760, 50.9880, -20.9800

Conversions

Conversions Part 2

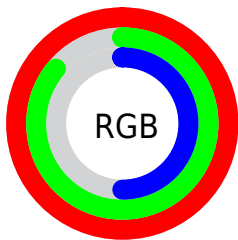
Format	Color
RYB	177, 255, 127
Decimal	16767871
CIELab	88.66, 1.26, 49.54
CIELCh	89, 49.559, 88.544
Yxy	73.4553, 0.4037, 0.4212
Android (android.graphics.Color)	4294957951 (0xFFFFDB7F)
YUV	219.2760, -45.4921, 31.3299
Hunter-Lab	85.7061, -3.3565, 38.8695

Details

The Yxy color **73.4553, 0.4037, 0.4212** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.9137, 0.2246, 0.2134**, and the grayscale version is **71.3346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **38.7947, 0.4226, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **69.2134, 0.4232, 0.4364**, and if you desaturate by 10%, it is **78.0300, 0.3838, 0.4037**.

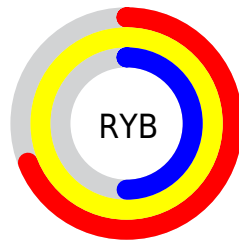
Distribution



Red (100%)

Green (86%)

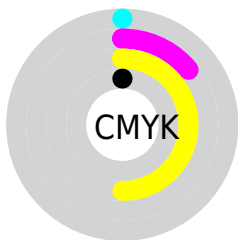
Blue (50%)



Red (69%)

Yellow (100%)

Blue (50%)

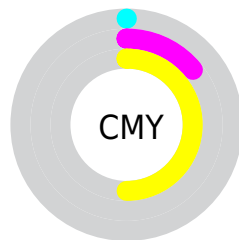


Cyan (0%)

Magenta (14%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.4553, 0.4037, 0.4212 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 73.4553, 0.4037, 0.4212 by changing the saturation by 10% instead.


 73.4553, 0.4037,
0.4212


 73.4553, 0.4037,
0.4212

472.5913, 0.3632,
0.3804


 54.3483, 0.4122,
0.4297


 124.1234, 0.3902,
0.4076

 38.8802, 0.4223,
0.4397


 156.4532, 0.3847,
0.4021

 26.6666, 0.4341,
0.4514


 193.9595, 0.3800,
0.3974

 17.3230, 0.4481,
0.4651

237.0267, 0.3758,
0.3931

 10.4650, 0.4639,
0.4803

286.0390, 0.3721,
0.3894

 5.7084, 0.4922,
0.5078

341.3810, 0.3688,

 2.6686, 0.4936,

0.3861

0.5064

403.4369, 0.3658,
0.3831

■ 0.9613, 0.4961,
0.5039

■ 0.0000, 0.0000,
0.0000

■ 73.4553, 0.4037,
0.4212

■ 73.4553, 0.4037,
0.4212

■ 69.2134, 0.4232,
0.4364

■ 78.0300, 0.3838,
0.4037

■ 65.2842, 0.4415,
0.4483

■ 82.9459, 0.3644,
0.3850

■ 61.6525, 0.4577,
0.4558

■ 88.2172, 0.3460,
0.3660

■ 58.2985, 0.4709,
0.4583

■ 93.8555, 0.3288,
0.3473

■ 55.2528, 0.4810,
0.4563

99.8719, 0.3130,
0.3294

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



73.4553, 0.4301, 0.3828



73.4553, 0.4037, 0.4212



73.4553, 0.3540, 0.4378

Triad

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



73.4553, 0.4037, 0.4212



73.4553, 0.2139, 0.3051



73.4553, 0.3213, 0.2583

Complementary

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



73.4553, 0.4037, 0.4212



37.9137, 0.2246, 0.2134

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.



73.4553, 0.2644, 0.2386



73.4553, 0.4037, 0.4212



73.4553, 0.2072, 0.2602

Square

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



73.4553, 0.4037, 0.4212



73.4553, 0.2450, 0.3654



73.4553, 0.2246, 0.2383



73.4553, 0.3809, 0.2932

Rectangle

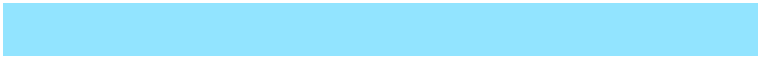
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.4553, 0.4037, 0.4212



73.4553, 0.3151, 0.4290



73.4553, 0.2246, 0.2383



73.4553, 0.3011, 0.2499

Sweetspot

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



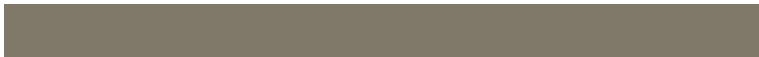
73.4570, 0.4037, 0.4212



91.1061, 0.3368, 0.3562



39.0854, 0.4141, 0.2918



19.2475, 0.3405, 0.3601



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.



73.4570, 0.4037, 0.4212



69.2977, 0.4228, 0.4362



89.4250, 0.3671, 0.4601



20.1766, 0.3276, 0.3460



29.1365, 0.4797, 0.4573



3.0221, 0.4712, 0.4641

Inverse Universe

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



37.9137, 0.2246, 0.2134



30.3008, 0.2069, 0.1863



29.3323, 0.2346, 0.1760



18.2091, 0.2979, 0.3114



6.3897, 0.1597, 0.0950



0.7975, 0.1657, 0.1166

Previews

White Background



This preview shows how the Yxy color 73.4553, 0.4037, 0.4212 looks on a white background.

Color Contrast Check

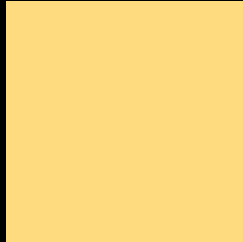
Large Text (above 18pt) WCAG AA × Fail

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 73.4553, 0.4037, 0.4212 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 73.4553, 0.4037, 0.4212

Background



This preview shows how black text looks on a background with the Yxy color 73.4553, 0.4037, 0.4212.



This preview shows how white text looks on a background with the Yxy color 73.4553, 0.4037, 0.4212.

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

73.4553, 0.4037, 0.4212

Protanopia

73.5670, 0.3925, 0.4272

Deuteranopia

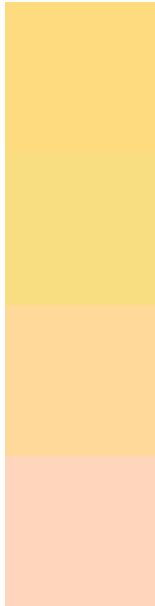
73.2740, 0.3753, 0.3764



Tritanopia

73.1762, 0.3372, 0.3170

Trichromacy



Original Color

73.4553, 0.4037, 0.4212

Protanomaly

73.7575, 0.3961, 0.4251

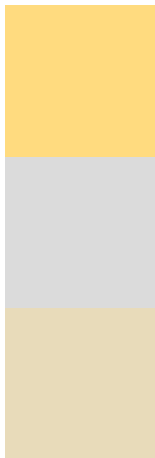
Deuteranomaly

73.2188, 0.3864, 0.3936

Tritanomaly

72.9840, 0.3626, 0.3559

Monochromacy



Original Color

73.4553, 0.4037, 0.4212

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.3640, 0.3451, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4553, 0.4037, 0.4212 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, 219, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 127)  
}
```

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, 219, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 127) }
```

Border

The CSS property to change the border of an element to Yxy 73.4553, 0.4037, 0.4212 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, 219, 127) }
```

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

```
.border{ border-color:rgb(255, 219, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4553, 0.4037, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 127) }
```

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

```
.background{ background-color: rgb(255,  
219, 127) }
```

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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