

Converting Colors

$Y_{xy}(70.3308, 0.3770, 0.3703)$

Have a look what the booklet for
Yxy(70.3308, 0.3770, 0.3703)
contains.

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Color

Yxy(70.2555, 0.3773, 0.3705)

Conversions

Conversions Part 1

Format	Color
Hex	FFD2AA
RGB	255, 210, 170
RGB Percent	100%, 82%, 67%
CMY	0.0000, 0.1765, 0.3333
CMYK	0.00, 0.18, 0.33, 0.00
HSL	28°, 100%, 83%
HSV	28°, 33%, 100%
XYZ	71.5449, 70.2555, 47.8230
YIQ	218.8950, 39.6600, -2.9000

Conversions

Conversions Part 2

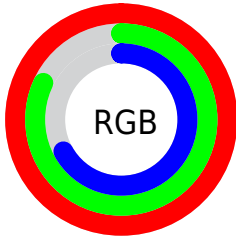
Format	Color
RYB	255, 246, 170
Decimal	16765610
CIELab	87.12, 10.34, 25.77
CIELCh	87, 27.766, 68.137
Yxy	70.2555, 0.3773, 0.3705
Android (android.graphics.Color)	4294955690 (0xFFFFD2AA)
YUV	218.8950, -24.1052, 31.6641
Hunter-Lab	83.8186, 5.6796, 24.8448

Details

The Yxy color $70.2555, 0.3773, 0.3705$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $64.3703, 0.2593, 0.2833$, and the grayscale version is $70.9125, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.2162, 0.3304, 0.3582$, and $36.9553, 0.3920, 0.3794$ is the 20% darker color. If you saturate the color by 10%, you get $62.9962, 0.4024, 0.3831$, and if you desaturate by 10%, it is $78.2679, 0.3548, 0.3576$.

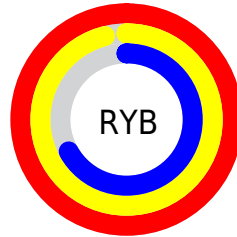
Distribution



Red (100%)

Green (82%)

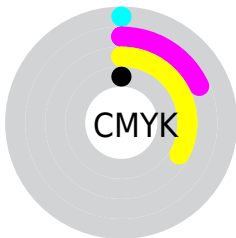
Blue (67%)



Red (100%)

Yellow (96%)

Blue (67%)

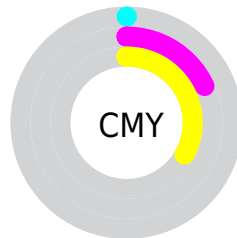


Cyan (0%)

Magenta (18%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2555, 0.3773, 0.3705 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 70.2555, 0.3773, 0.3705 by changing the saturation by 10% instead.


 70.2555, 0.3773,
0.3705

 70.2555, 0.3773,
0.3705

461.4466, 0.3471,
0.3519

 51.7349, 0.3842,
0.3745


 119.5730, 0.3668,
0.3642

 36.7938, 0.3927,
0.3794


151.1387, 0.3627,
0.3617

 25.0479, 0.4034,
0.3853


187.8216, 0.3592,
0.3596

 16.1127, 0.4173,
0.3926

230.0059, 0.3562,
0.3577

 9.6040, 0.4359,
0.4017

278.0762, 0.3535,
0.3560

 5.1372, 0.4617,
0.4129

332.4168, 0.3511,

 2.3280, 0.5130,

0.3545

0.4376

393.4122, 0.3490,
0.3531

0.7885, 0.5621,
0.4379

0.0000, 0.0000,
0.0000

70.2555, 0.3773,
0.3705

70.2555, 0.3773,
0.3705

62.9962, 0.4024,
0.3831

78.2679, 0.3548,
0.3576

56.4600, 0.4299,
0.3946

87.0514, 0.3351,
0.3449

50.6224, 0.4589,
0.4038

96.6299, 0.3179,
0.3329

45.4549, 0.4880,
0.4094

100.0000, 0.3127,
0.3290

■ 40.9263, 0.5153,
0.4102

■ 37.0012, 0.5390,
0.4054

■ 34.6921, 0.5524,
0.3996

Harmonies

Analogous

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



70.2555, 0.3784, 0.3447



70.2555, 0.3773, 0.3705



70.2555, 0.3582, 0.3871

Triad

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



70.2555, 0.3773, 0.3705



70.2555, 0.2663, 0.3393



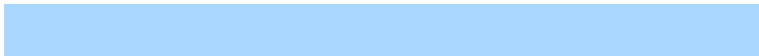
70.2555, 0.2953, 0.2773

Complementary

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



70.2555, 0.3773, 0.3705



64.3703, 0.2593, 0.2833

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.



70.2555, 0.2672, 0.2738



70.2555, 0.3773, 0.3705



70.2555, 0.2512, 0.3075

Square

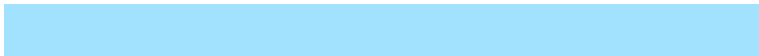
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2555, 0.3773, 0.3705



70.2555, 0.2938, 0.3698



70.2555, 0.2516, 0.2841



70.2555, 0.3295, 0.2928

Rectangle

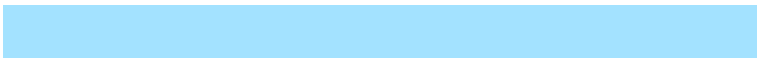
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2555, 0.3773, 0.3705



70.2555, 0.3385, 0.3896



70.2555, 0.2516, 0.2841



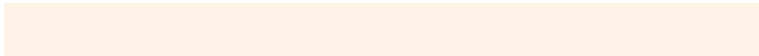
70.2555, 0.2848, 0.2747

Sweetspot

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



70.2572, 0.3773, 0.3705



90.1519, 0.3291, 0.3408



54.9360, 0.3494, 0.2826



19.0138, 0.3316, 0.3425



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.



70.2572, 0.3773, 0.3705



65.3325, 0.3938, 0.3790



93.8883, 0.3640, 0.4100



19.3966, 0.3282, 0.3402



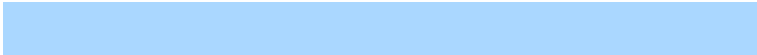
18.4207, 0.5497, 0.4017



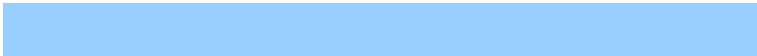
2.0101, 0.5310, 0.4166

Inverse Universe

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



64.3703, 0.2593, 0.2833



58.6186, 0.2486, 0.2724



45.5931, 0.2529, 0.2327



18.9699, 0.2979, 0.3175



13.1291, 0.1798, 0.1673



1.4972, 0.1853, 0.1870

Previews

White Background



This preview shows how the Yxy color 70.2555, 0.3773, 0.3705 looks on a white background.

Color Contrast Check

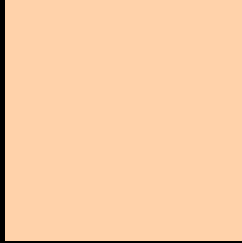
Large Text (above 18pt) WCAG AA × Fail

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 70.2555, 0.3773, 0.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

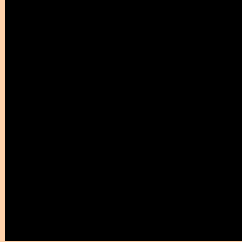
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2555, 0.3773, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 70.2555, 0.3773, 0.3705.



This preview shows how white text looks on a background with the Yxy color 70.2555, 0.3773, 0.3705.

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

70.2555, 0.3773, 0.3705

Protanopia

70.3546, 0.3539, 0.3773

Deuteranopia

70.2935, 0.3765, 0.3695



Tritanopia

70.0371, 0.3410, 0.3149

Trichromacy



Original Color

70.2555, 0.3773, 0.3705

Protanomaly

70.1433, 0.3616, 0.3742

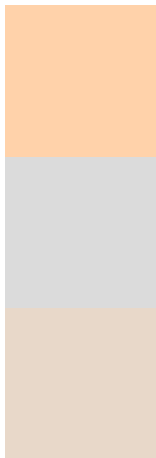
Deuteranomaly

70.2935, 0.3765, 0.3695

Tritanomaly

70.1027, 0.3544, 0.3353

Monochromacy



Original Color

70.2555, 0.3773, 0.3705

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.4846, 0.3350, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2555, 0.3773, 0.3705 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, 210, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 170)  
}
```

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, 210, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 170) }
```

Border

The CSS property to change the border of an element to Yxy 70.2555, 0.3773, 0.3705 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, 210, 170) }
```

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

```
.border{ border-color:rgb(255, 210, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 210, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 210, 170); box-shadow:4px 4px 4px 4px rgb(255, 210, 170) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.2555, 0.3773, 0.3705$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 170) }
```

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

```
.background{ background-color: rgb(255,  
210, 170) }
```

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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