

Converting Colors

$Yxy(69.5723, 0.3778, 0.3692)$

Have a look what the booklet for
Yxy(69.5723, 0.3778, 0.3692)
contains.

Yxy(69.7632, 0.3776, 0.3695)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.7632, 0.3776, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	FFD1AA
RGB	255, 209, 170
RGB Percent	100%, 82%, 67%
CMY	0.0001, 0.1803, 0.3332
CMYK	0.00, 0.18, 0.33, 0.00
HSL	28°, 100%, 83%
HSV	28°, 33%, 100%
XYZ	71.2925, 69.7632, 47.7486
YIQ	218.3080, 39.9350, -2.3770

Conversions

Conversions Part 2

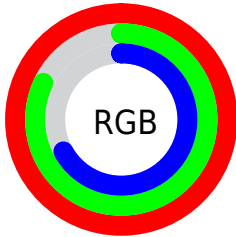
Format	Color
RYB	255, 242, 170
Decimal	16765354
CIELab	86.88, 10.84, 25.43
CIELCh	87, 27.647, 66.905
Yxy	69.7632, 0.3776, 0.3695
Android (android.graphics.Color)	4294955434 (0xFFFFD1AA)
YUV	218.3080, -23.8158, 32.1789
Hunter-Lab	83.5244, 6.1917, 24.5726

Details

The Yxy color **69.7632, 0.3776, 0.3695** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.8746, 0.2595, 0.2845**, and the grayscale version is **70.4835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **36.6210, 0.3926, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **62.4131, 0.4030, 0.3818**, and if you desaturate by 10%, it is **77.8932, 0.3550, 0.3569**.

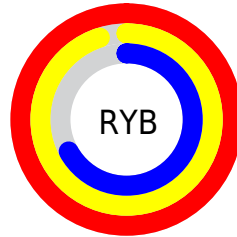
Distribution



Red (100%)

Green (82%)

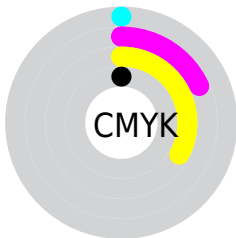
Blue (67%)



Red (100%)

Yellow (95%)

Blue (67%)

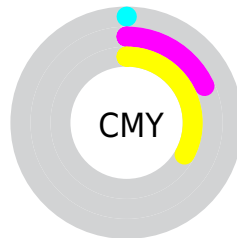


Cyan (0%)

Magenta (18%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7632, 0.3776, 0.3695 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 69.7632, 0.3776, 0.3695 by changing the saturation by 10% instead.

 69.7632, 0.3776,
0.3695

 69.7632, 0.3776,
0.3695

459.7181, 0.3472,
0.3514

 51.3335, 0.3846,
0.3734

 118.8710, 0.3670,
0.3634

 36.4741, 0.3931,
0.3781


150.3179, 0.3629,
0.3609

 24.8006, 0.4040,
0.3839


186.8727, 0.3594,
0.3588

 15.9285, 0.4181,
0.3910

228.9197, 0.3563,
0.3570

 9.4736, 0.4369,
0.3999

276.8433, 0.3536,
0.3553

 5.0514, 0.4631,
0.4106

331.0280, 0.3513,

 2.2774, 0.5159,

0.3539

0.4351

391.8582, 0.3491,
0.3526

0.7617, 0.5670,
0.4330

0.0000, 0.0000,
0.0000

69.7632, 0.3776,
0.3695

69.7632, 0.3776,
0.3695

62.4131, 0.4030,
0.3818

77.8932, 0.3550,
0.3569

55.8075, 0.4308,
0.3930

86.8177, 0.3351,
0.3445

49.9224, 0.4603,
0.4020

96.5629, 0.3179,
0.3327

44.7282, 0.4900,
0.4073

99.9964, 0.3127,
0.3290

■ 40.1925, 0.5180,
0.4079

■ 36.2786, 0.5421,
0.4028

■ 33.9831, 0.5558,
0.3969

Harmonies

Analogous

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



69.7632, 0.3779, 0.3436



69.7632, 0.3776, 0.3695



69.7632, 0.3592, 0.3866

Triad

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



69.7632, 0.3776, 0.3695



69.7632, 0.2673, 0.3406



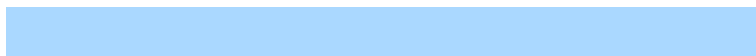
69.7632, 0.2940, 0.2770

Complementary

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



69.7632, 0.3776, 0.3695



64.8746, 0.2595, 0.2845

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.



69.7632, 0.2664, 0.2741



69.7632, 0.3776, 0.3695



69.7632, 0.2517, 0.3087

Square

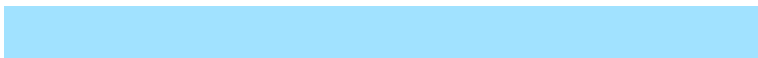
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7632, 0.3776, 0.3695



69.7632, 0.2952, 0.3708



69.7632, 0.2514, 0.2849



69.7632, 0.3281, 0.2920

Rectangle

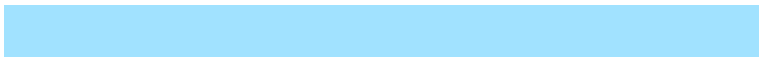
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7632, 0.3776, 0.3695



69.7632, 0.3398, 0.3895



69.7632, 0.2514, 0.2849



69.7632, 0.2837, 0.2746

Sweetspot

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



69.7665, 0.3776, 0.3695



89.9757, 0.3291, 0.3405



55.0110, 0.3481, 0.2812



18.9713, 0.3317, 0.3422



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.



69.7665, 0.3776, 0.3695



64.7807, 0.3943, 0.3778



92.9873, 0.3644, 0.4087



19.3606, 0.3283, 0.3399



18.0505, 0.5531, 0.3990



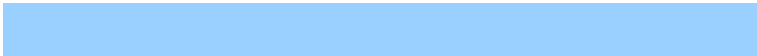
1.9730, 0.5340, 0.4142

Inverse Universe

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



64.8746, 0.2595, 0.2845



59.1965, 0.2488, 0.2738



46.1440, 0.2531, 0.2344



19.0062, 0.2979, 0.3178



13.5689, 0.1809, 0.1713



1.5398, 0.1863, 0.1907

Previews

White Background



This preview shows how the Yxy color 69.7632, 0.3776, 0.3695 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 69.7632, 0.3776, 0.3695 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 69.7632, 0.3776, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 69.7632, 0.3776, 0.3695.



This preview shows how white text looks on a background with the Yxy color 69.7632, 0.3776, 0.3695.

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

69.7632, 0.3776, 0.3695

Protanopia

69.6706, 0.3533, 0.3763

Deuteranopia

69.7632, 0.3776, 0.3695



Tritanopia

69.9846, 0.3418, 0.3159

Trichromacy



Original Color

69.7632, 0.3776, 0.3695

Protanomaly

69.6355, 0.3619, 0.3732

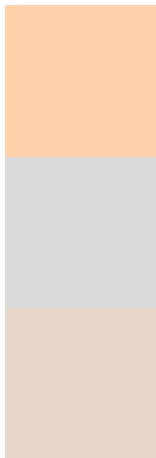
Deuteranomaly

69.7632, 0.3776, 0.3695

Tritanomaly

69.6197, 0.3546, 0.3343

Monochromacy



Original Color

69.7632, 0.3776, 0.3695

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.8068, 0.3344, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7632, 0.3776, 0.3695 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, 209, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 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, 209, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 170) }
```

Border

The CSS property to change the border of an element to Yxy 69.7632, 0.3776, 0.3695 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, 209, 170) }
```

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

```
.border{ border-color:rgb(255, 209, 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, 209, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7632, 0.3776, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 170) }
```

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

```
.background{ background-color: rgb(255,  
209, 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](#).

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