

# Converting Colors

$Y_{xy}(72.3745, 0.3616, 0.3527)$

Have a look what the booklet for  
Yxy(72.3745, 0.3616, 0.3527)  
contains.

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# Color

**Yxy(72.5662, 0.3613, 0.3528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5BE
RGB	255, 213, 190
RGB Percent	100%, 84%, 75%
CMY	0.0002, 0.1646, 0.2549
CMYK	0.00, 0.16, 0.25, 0.00
HSL	21°, 100%, 87%
HSV	21°, 25%, 100%
XYZ	74.3145, 72.5662, 58.8058
YIQ	222.9360, 32.4150, 1.7510

# Conversions

## Conversions Part 2

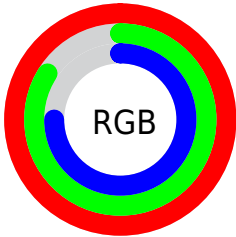
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 226, 190
Decimal	16766398
CIE <sub>Lab</sub>	88.24, 11.31, 16.85
CIE <sub>LCh</sub>	88, 20.297, 56.123
Yxy	72.5662, 0.3613, 0.3528
Android (android.graphics.Color)	4294956478 (0xFFFFD5BE)
YUV	222.9360, -16.2374, 28.1201
Hunter-Lab	85.1858, 6.6450, 18.7008

# Details

The Yxy color **72.5662, 0.3613, 0.3528** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.8358, 0.2729, 0.3039**, and the grayscale version is **73.8434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **38.1302, 0.3723, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **63.6858, 0.3863, 0.3627**, and if you desaturate by 10%, it is **82.4884, 0.3398, 0.3431**.

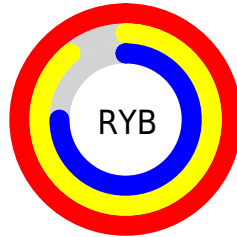
# Distribution



Red (100%)

Green (84%)

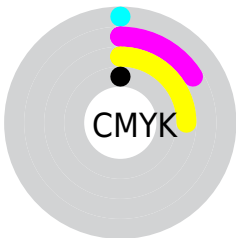
Blue (75%)



Red (100%)

Yellow (89%)

Blue (75%)

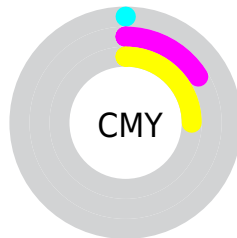


Cyan (0%)

Magenta (16%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5662, 0.3613, 0.3528 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 72.5662, 0.3613, 0.3528 by changing the saturation by 10% instead.





 72.5662, 0.3613,  
0.3528

 72.5662, 0.3613,  
0.3528

469.5099, 0.3386,  
0.3422

 53.6213, 0.3665,  
0.3551

 122.8612, 0.3534,  
0.3492

 38.2990, 0.3730,  
0.3579


154.9801, 0.3503,  
0.3478

 26.2148, 0.3811,  
0.3613


192.2591, 0.3477,  
0.3466

 16.9844, 0.3918,  
0.3656

235.0826, 0.3454,  
0.3455

 10.2234, 0.4064,  
0.3710

283.8351, 0.3434,  
0.3445

 5.5473, 0.4272,  
0.3781

338.9009, 0.3416,

 2.5718, 0.4592,

0.3437

0.3871

400.6644, 0.3401,  
0.3429

0.9125, 0.5641,  
0.4359

0.0000, 1.0000,  
0.0000

72.5662, 0.3613,  
0.3528

72.5662, 0.3613,  
0.3528

63.6858, 0.3863,  
0.3627

82.4884, 0.3398,  
0.3431

55.8022, 0.4150,  
0.3721

93.4758, 0.3215,  
0.3338

48.8815, 0.4470,  
0.3804

99.9903, 0.3127,  
0.3290

42.8840, 0.4814,  
0.3862

■ 37.7667, 0.5162,  
0.3884

■ 33.4826, 0.5485,  
0.3858

■ 29.9784, 0.5753,  
0.3779

■ 28.6264, 0.5856,  
0.3733

# Harmonies

## Analogous

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



72.5662, 0.3563, 0.3328



72.5662, 0.3613, 0.3528



72.5662, 0.3527, 0.3677

# Triad

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



72.5662, 0.3613, 0.3528



72.5662, 0.2862, 0.3458



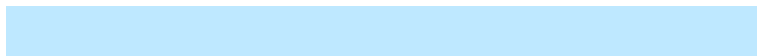
72.5662, 0.2912, 0.2888

# Complementary

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



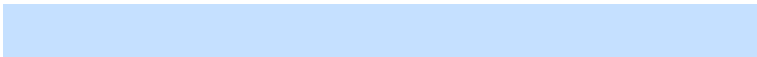
72.5662, 0.3613, 0.3528



75.8358, 0.2729, 0.3039

# 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.



72.5662, 0.2736, 0.2906



72.5662, 0.3613, 0.3528



72.5662, 0.2709, 0.3227

# Square

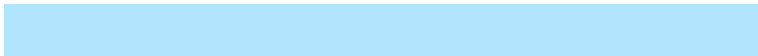
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.5662, 0.3613, 0.3528



72.5662, 0.3089, 0.3645



72.5662, 0.2664, 0.3026



72.5662, 0.3151, 0.2968



# Rectangle

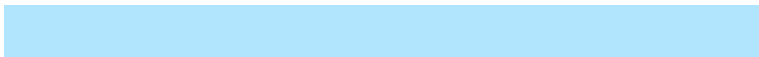
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.5662, 0.3613, 0.3528



72.5662, 0.3406, 0.3722



72.5662, 0.2664, 0.3026



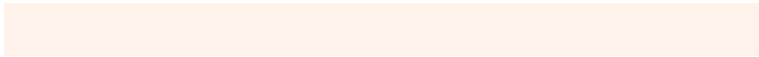
72.5662, 0.2844, 0.2882

# Sweetspot

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



72.5695, 0.3613, 0.3528



90.6391, 0.3259, 0.3361



63.9170, 0.3328, 0.2865



19.0405, 0.3285, 0.3375



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.



72.5695, 0.3613, 0.3528



67.5653, 0.3747, 0.3583



90.3982, 0.3536, 0.3840



19.0405, 0.3285, 0.3375



15.2185, 0.5826, 0.3756

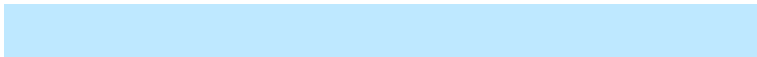


1.6786, 0.5609, 0.3928

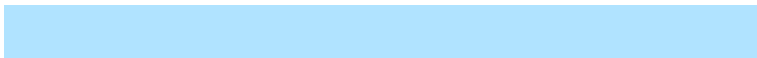


# Inverse Universe

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



75.8358, 0.2729, 0.3039



71.3701, 0.2644, 0.2976



59.3547, 0.2696, 0.2673



19.3343, 0.2980, 0.3204



18.0513, 0.1912, 0.2083

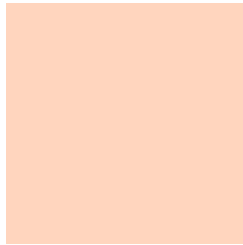


1.9637, 0.1955, 0.2236



# Previews

## White Background



This preview shows how the Yxy color 72.5662, 0.3613, 0.3528 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 72.5662, 0.3613, 0.3528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

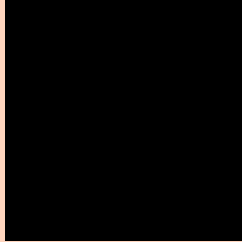
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.5662, 0.3613, 0.3528**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.5662, 0.3613, 0.3528.



This preview shows how white text looks on a background with the Yxy color 72.5662, 0.3613, 0.3528.

# 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

72.5662, 0.3613, 0.3528

### Protanopia

72.7637, 0.3391, 0.3583

### Deuteranopia

72.3770, 0.3606, 0.3528



## Tritanopia

72.7350, 0.3366, 0.3150

# Trichromacy



**Original Color**

72.5662, 0.3613, 0.3528

**Protanomaly**

72.5183, 0.3464, 0.3557

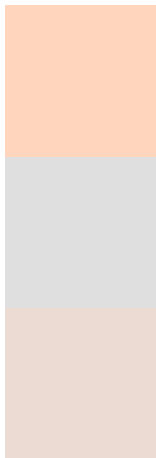
**Deuteranomaly**

72.3770, 0.3606, 0.3528

**Tritanomaly**

72.6020, 0.3453, 0.3281

# Monochromacy



**Original Color**

72.5662, 0.3613, 0.3528

**Achromatopsia**

73.7910, 0.3127, 0.3290

**Achromatomaly**

73.0284, 0.3298, 0.3376

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5662, 0.3613, 0.3528 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, 213, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 190)  
}
```

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, 213, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5662, 0.3613, 0.3528 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, 213, 190) }
```

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

```
.border{ border-color:rgb(255, 213, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5662, 0.3613, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 190) }
```

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

```
.background{ background-color: rgb(255,  
213, 190) }
```

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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