

# Converting Colors

XYZ(70.6032, 66.3539, 53.7970)

Have a look what the booklet for  
XYZ(70.6032, 66.3539, 53.7970)  
contains.

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# Color

**XYZ(70.6739, 66.4522,  
53.9014)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">FFC9B7</a>
RGB	<a href="#">255, 201, 183</a>
RGB Percent	<a href="#">100%, 79%, 72%</a>
CMY	<a href="#">0.0000, 0.2117, 0.2823</a>
CMYK	<a href="#">0.00, 0.21, 0.28, 0.00</a>
HSL	<a href="#">15°, 100%, 86%</a>
HSV	<a href="#">15°, 28%, 100%</a>
XYZ	<a href="#">70.6739, 66.4522, 53.9014</a>
YIQ	<a href="#">215.0940, 37.9620, 5.8500</a>

# Conversions

## Conversions Part 2

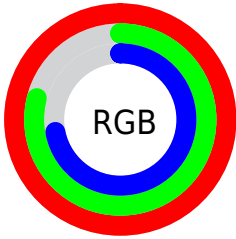
Format	Color
R <sub>Y</sub> B	255, 207, 183
Decimal	16763319
CIE Lab	85.23, 16.66, 16.32
CIE LCh	85, 23.316, 44.407
Yxy	66.4522, 0.3700, 0.3479
Android (android.graphics.Color)	4294953399 (0xFFFFC9B7)
YUV	215.0940, -15.8223, 34.9976
Hunter-Lab	81.5182, 12.0974, 17.8591

# Details

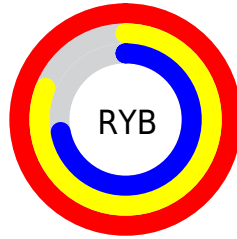
The XYZ color **70.6739, 66.4522, 53.9014** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **67.8616, 77.8531, 106.0582**, and the grayscale version is **64.7422, 68.1138, 74.1760**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **37.4889, 34.3495, 25.7733** is the 20% darker color. If you saturate the color by 10%, you get **64.0728, 57.1196, 39.7715**, and if you desaturate by 10%, it is **78.3142, 77.0932, 70.7515**.

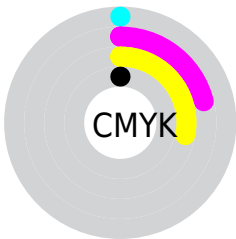
# Distribution



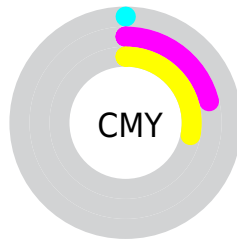
- Red (100%)
- Green (79%)
- Blue (72%)



- Red (100%)
- Yellow (81%)
- Blue (72%)



- Cyan (0%)
- Magenta (21%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6739, 66.4522, 53.9014 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 XYZ color 70.6739, 66.4522, 53.9014 by changing the saturation by 10% instead.





 70.6739, 66.4522,  
53.9014

 70.6739, 66.4522,  
53.9014


452.1423,  
447.9924, 418.8979

 52.3577, 48.6396,  
38.1302


 119.1903,  
114.1351, 97.3844

 37.5157, 34.3337,  
25.7811


150.1212,  
144.7742, 125.9333

 25.7825, 23.1500,  
16.4357


185.9878,  
180.4576, 159.5785

 16.7928, 14.7043,  
9.6753

227.1553,  
221.5696, 198.7385

 10.1813, 8.6121,  
5.0814

273.9892,  
268.4947, 243.8319

 5.5825, 4.4891,  
2.2355

326.8547,

 2.6312, 1.9507,

321.6173, 295.2773

0.6948

386.1173,  
381.3217, 353.4931

■ 0.9619, 0.5786,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.6739, 66.4522,  
53.9014

■ 70.6739, 66.4522,  
53.9014

■ 64.0728, 57.1196,  
39.7715

■ 78.3142, 77.0932,  
70.7515

■ 58.4596, 49.0352,  
28.2140

■ 87.0321, 89.0817,  
90.4505

■ 53.7860, 42.1478,  
19.0733

95.0500, 100.0000,  
108.9000

■ 49.9975, 36.3985,  
12.1754

■ 47.0331, 31.7236,  
7.3221

■ 44.8235, 28.0521,  
4.2805

■ 43.2804, 25.3013,  
2.7318

■ 43.0604, 24.9007,  
2.5368

# Harmonies

## Analogous

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



73.4841, 66.4522, 65.3773



70.6739, 66.4522, 53.9014



65.9218, 66.4522, 47.8641

# Triad

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



70.6739, 66.4522, 53.9014



53.9015, 66.4522, 64.8369



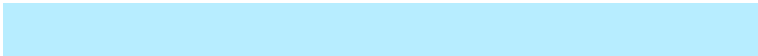
65.7137, 66.4522, 104.2324

# Complementary

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



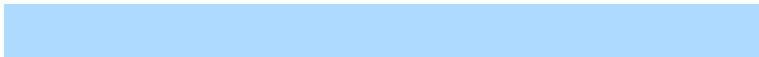
70.6739, 66.4522, 53.9014



67.8616, 77.8531, 106.0582

# 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.



60.4780, 66.4522, 104.0343



70.6739, 66.4522, 53.9014



53.8527, 66.4522, 79.8126

# Square

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



70.6739, 66.4522, 53.9014



56.3372, 66.4522, 53.5533



56.2000, 66.4522, 94.6026



70.5143, 66.4522, 95.1111



# Rectangle

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



70.6739, 66.4522, 53.9014



62.3860, 66.4522, 47.1227



56.2000, 66.4522, 94.6026



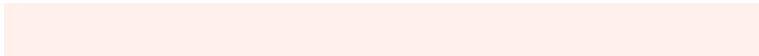
63.9420, 66.4522, 105.2897

# Sweetspot

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



70.6755, 66.4552, 53.9028



87.2499, 89.3796, 90.9480



73.4599, 61.2421, 88.0702



18.3784, 18.7249, 18.7900



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6755, 66.4552, 53.9028



66.7453, 60.9171, 45.4328



80.0717, 85.2476, 57.0348



18.3784, 18.7249, 18.7900



22.5987, 13.2085, 1.3584

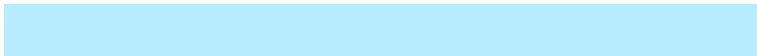


2.2826, 1.4505, 0.1597

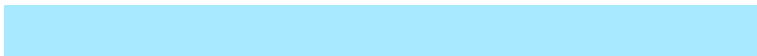


# Inverse Universe

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



67.8616, 77.8531, 106.0582



63.4916, 74.0363, 105.5518



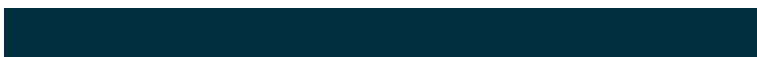
58.4657, 59.0613, 102.9262



18.1476, 19.6668, 23.0895



19.3177, 23.5450, 52.9611



1.9674, 2.4656, 5.1855



# Previews

## White Background



This preview shows how the XYZ color 70.6739, 66.4522, 53.9014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

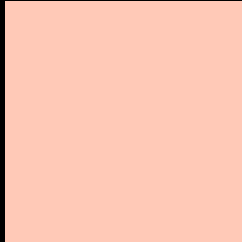
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6739, 66.4522, 53.9014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

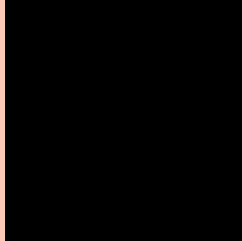
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.6739, 66.4522, 53.9014**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.6739, 66.4522, 53.9014.



This preview shows how white text looks on a background with the XYZ color 70.6739, 66.4522,



# 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

70.6739, 66.4522, 53.9014

### Protanopia

63.4110, 66.9506, 57.7248

### Deuteranopia

67.9310, 66.4525, 53.5022



## Tritanopia

73.3177, 66.4016, 71.2399

# Trichromacy



## Original Color

70.6739, 66.4522, 53.9014

## Protanomaly

66.0311, 66.8510, 56.4370

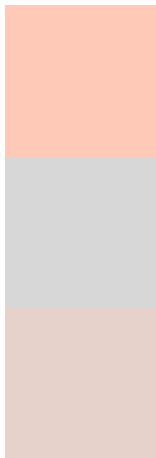
## Deuteranomaly

69.1033, 66.7029, 53.4888

## Tritanomaly

72.2060, 66.3239, 64.2545

# Monochromacy



## Original Color

70.6739, 66.4522, 53.9014

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

66.4592, 67.2280, 65.9734

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.6739, 66.4522, 53.9014 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, 201, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 183)  
}
```

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, 201, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6739, 66.4522, 53.9014 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, 201, 183) }
```



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

```
.border{ border-color:rgb(255, 201, 183) }
```

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

Here you see how a box with a 4 pixel rgb(255, 201, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6739, 66.4522, 53.9014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 183) }
```

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

```
.background{ background-color: rgb(255,  
201, 183) }
```

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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