

Converting Colors

XYZ(74.6504, 69.0518, 49.8141)

Have a look what the booklet for
XYZ(74.6504, 69.0518, 49.8141)
contains.

XYZ(70.0984, 66.5962, 49.7172)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.0984, 66.5962,
49.7172)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCAAF
RGB	255, 202, 175
RGB Percent	100%, 79%, 69%
CMY	0.0000, 0.2078, 0.3137
CMYK	0.00, 0.21, 0.31, 0.00
HSL	20°, 100%, 84%
HSV	20°, 31%, 100%
XYZ	70.0984, 66.5962, 49.7172
YIQ	214.7690, 40.2550, 2.8390

Conversions

Conversions Part 2

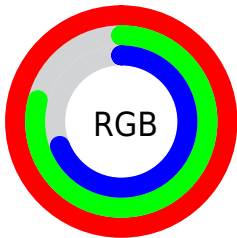
Format	Color
R_{YB}	255, 216, 175
Decimal	16763567
CIE _{Lab}	85.30, 15.11, 20.65
CIE _{LCh}	85, 25.583, 53.803
Yxy	66.5962, 0.3760, 0.3573
Android (android.graphics.Color)	4294953647 (0xFFFFCAAF)
YUV	214.7690, -19.6061, 35.2826
Hunter-Lab	81.6065, 10.5167, 21.0032

Details

The XYZ color **70.0984, 66.5962, 49.7172** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.4717, 71.8183, 105.1248**, and the grayscale version is **64.5458, 67.9072, 73.9510**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **37.1287, 34.4553, 23.1060** is the 20% darker color. If you saturate the color by 10%, you get **64.0779, 58.1918, 36.4991**, and if you desaturate by 10%, it is **77.0291, 76.0637, 65.5733**.

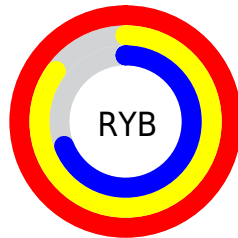
Distribution



Red (100%)

Green (79%)

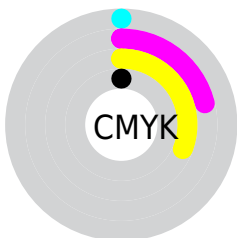
Blue (69%)



Red (100%)

Yellow (85%)

Blue (69%)

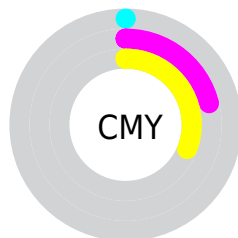


Cyan (0%)

Magenta (21%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0984, 66.5962, 49.7172 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 70.0984, 66.5962, 49.7172 by changing the saturation by 10% instead.


 70.0984, 66.5962,
49.7172

 70.0984, 66.5962,
49.7172


450.1565,
448.5061, 402.2623

 51.8866, 48.7565,
34.8191


 118.3746,
114.3416, 91.1477

 37.1386, 34.4264,
23.2412


149.1697,
145.0162, 118.5172

 25.4890, 23.2214,
14.5647


184.8900,
180.7378, 150.8810

 16.5724, 14.7570,
8.3712

225.9008,
221.8909, 188.6576

 10.0235, 8.6491,
4.2422

272.5675,
268.8599, 232.2654

 5.4769, 4.5130,
1.7592

325.2555,

 2.5673, 1.9645,

322.0292, 282.1231

0.4008

384.3300,
381.7831, 338.6493

■ 0.9293, 0.5867,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.0984, 66.5962,
49.7172

■ 70.0984, 66.5962,
49.7172

■ 64.0779, 58.1918,
36.4991

■ 77.0291, 76.0637,
65.5733

■ 58.9219, 50.8027,
25.7697

■ 84.9029, 86.6214,
84.1974

■ 54.5882, 44.3910,
17.3711

■ 93.7569, 98.3070,
105.7156

■ 51.0284, 38.9126,
11.1250

95.0500, 100.0000,
108.9000

■ 48.1884, 34.3195,
6.8272

■ 46.0050, 30.5583,
4.2327

■ 44.5741, 27.9283,
3.0414

Harmonies

Analogous

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



74.0330, 66.5962, 60.3967



70.0984, 66.5962, 49.7172



64.5063, 66.5962, 45.2226

Triad

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



70.0984, 66.5962, 49.7172



52.8682, 66.5962, 69.1265



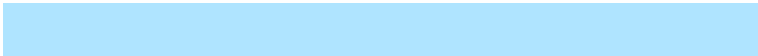
67.8952, 66.5962, 105.7480

Complementary

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



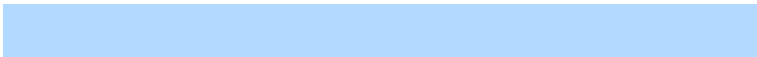
70.0984, 66.5962, 49.7172



63.4717, 71.8183, 105.1248

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.



62.1043, 66.5962, 109.0276



70.0984, 66.5962, 49.7172



53.6538, 66.5962, 86.1478

Square

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



70.0984, 66.5962, 49.7172



54.7367, 66.5962, 55.2748



56.9517, 66.5962, 101.3861



72.7078, 66.5962, 93.0048

Rectangle

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



70.0984, 66.5962, 49.7172



60.6800, 66.5962, 45.7605



56.9517, 66.5962, 101.3861



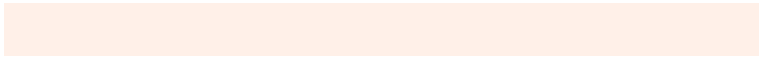
65.9896, 66.5962, 108.0671

Sweetspot

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



70.1001, 66.5993, 49.7186



86.9130, 89.2898, 89.0350



70.6203, 57.5406, 81.0264



18.3376, 18.7597, 18.4179



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.



70.1001, 66.5993, 49.7186



66.0096, 60.9109, 40.6708



80.6311, 87.6614, 53.2289



18.5104, 18.9891, 18.8340



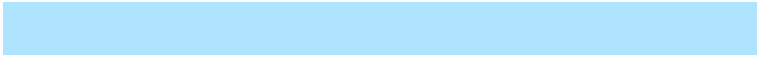
23.4139, 14.8390, 1.6302



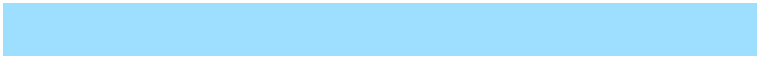
2.3759, 1.6373, 0.1908

Inverse Universe

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



63.4717, 71.8183, 105.1248



58.3686, 66.8959, 104.4436



53.7844, 52.4438, 101.8957



18.0081, 19.3879, 23.0431



16.9810, 18.8715, 52.1822



1.7545, 2.0396, 5.1145

Previews

White Background



This preview shows how the XYZ color 70.0984, 66.5962, 49.7172 looks on a white background.

Color Contrast Check

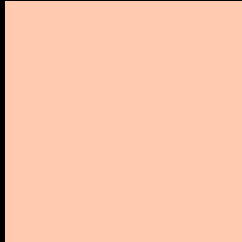
Large Text (above 18pt) WCAG AA × Fail

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 70.0984, 66.5962, 49.7172 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 70.0984, 66.5962, 49.7172

Background



This preview shows how black text looks on a background with the XYZ color 70.0984, 66.5962, 49.7172.



This preview shows how white text looks on a background with the XYZ color 70.0984, 66.5962,

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

70.0984, 66.5962, 49.7172

Protanopia

63.0838, 66.8913, 52.7665

Deuteranopia

68.1827, 66.6751, 49.3204



Tritanopia

73.3177, 66.4016, 71.2399

Trichromacy



Original Color

70.0984, 66.5962, 49.7172

Protanomaly

65.4284, 66.6481, 51.5354

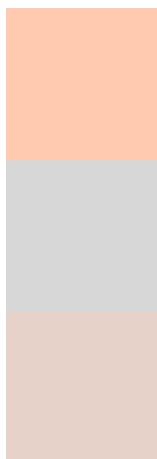
Deuteranomaly

69.0165, 66.7510, 49.2911

Tritanomaly

71.9722, 66.2304, 63.0232

Monochromacy



Original Color

70.0984, 66.5962, 49.7172

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.1050, 67.0863, 64.1084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0984, 66.5962, 49.7172 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, 202, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 175)  
}
```

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, 202, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 175) }
```

Border

The CSS property to change the border of an element to XYZ 70.0984, 66.5962, 49.7172 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, 202, 175) }
```


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

```
.border{ border-color:rgb(255, 202, 175) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0984, 66.5962, 49.7172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 175) }
```

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

```
.background{ background-color: rgb(255,  
202, 175) }
```

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