

Converting Colors

XYZ(106.2455, 85.3637,
49.4737)

Have a look what the booklet for
XYZ(106.2455, 85.3637, 49.4737)
contains.

XYZ(69.7112, 66.4413, 47.6784)	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(69.7112, 66.4413,
47.6784)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCAAB
RGB	255, 202, 171
RGB Percent	100%, 79%, 67%
CMY	0.0000, 0.2078, 0.3294
CMYK	0.00, 0.21, 0.33, 0.00
HSL	22°, 100%, 84%
HSV	22°, 33%, 100%
XYZ	69.7112, 66.4413, 47.6784
YIQ	214.3130, 41.5390, 1.5950

Conversions

Conversions Part 2

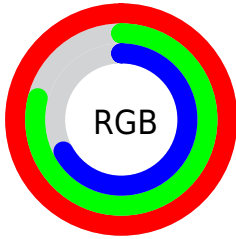
Format	Color
R _{YB}	255, 220, 171
Decimal	16763563
CIE _{Lab}	85.22, 14.61, 22.64
CIE _{LCh}	85, 26.951, 57.163
Yxy	66.4413, 0.3792, 0.3614
Android (android.graphics.Color)	4294953643 (0xFFFFCAAB)
YUV	214.3130, -21.3533, 35.6825
Hunter-Lab	81.5115, 10.0136, 22.3777

Details

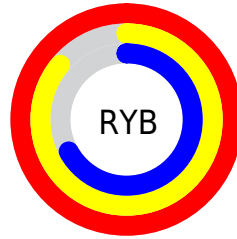
The XYZ color **69.7112, 66.4413, 47.6784** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.4994, 69.1870, 104.7208**, and the grayscale version is **64.2485, 67.5944, 73.6103**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **36.9456, 34.3820, 22.1419** is the 20% darker color. If you saturate the color by 10%, you get **63.9314, 58.4034, 34.8948**, and if you desaturate by 10%, it is **76.3568, 75.4600, 63.0653**.

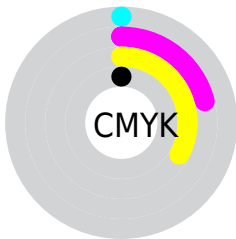
Distribution



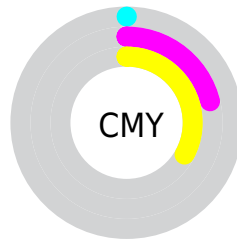
- Red (100%)
- Green (79%)
- Blue (67%)



- Red (100%)
- Yellow (86%)
- Blue (67%)



- Cyan (0%)
- Magenta (21%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.7112, 66.4413, 47.6784 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 69.7112, 66.4413, 47.6784 by changing the saturation by 10% instead.


 69.7112, 66.4413,
47.6784

 69.7112, 66.4413,
47.6784


448.8176,
447.9535, 393.9878

 51.5699, 48.6307,
33.2141


 117.8253,
114.1195, 88.0859

 36.8852, 34.3266,
22.0180


148.5288,
144.7559, 114.8663

 25.2919, 23.1446,
13.6717


184.1505,
180.4364, 146.5890

 16.4246, 14.7003,
7.7566

225.0555,
221.5453, 183.6727

 9.9178, 8.6094,
3.8540

271.6094,
268.4671, 226.5359

 5.4064, 4.4873,
1.5456

324.1775,

 2.5248, 1.9497,

321.5861, 275.5971

0.2516

383.1251,
381.2868, 331.2749

■ 0.9078, 0.5780,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.7112, 66.4413,
47.6784

■ 69.7112, 66.4413,
47.6784

■ 63.9314, 58.4034,
34.8948

■ 76.3568, 75.4600,
63.0653

■ 58.9733, 51.3022,
24.5640

■ 83.8996, 85.4832,
81.1864

■ 54.7963, 45.1037,
16.5259

■ 92.3755, 96.5452,
102.1686

■ 51.3534, 39.7680,
10.5999

95.0500, 100.0000,
108.9000

■ 48.5919, 35.2513,
6.5772

■ 46.4498, 31.5049,
4.2052

■ 45.2537, 29.2873,
3.2679

Harmonies

Analogous

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



74.1453, 66.4413, 58.0956



69.7112, 66.4413, 47.6784



63.7314, 66.4413, 43.7661

Triad

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



69.7112, 66.4413, 47.6784



52.1683, 66.4413, 70.6973



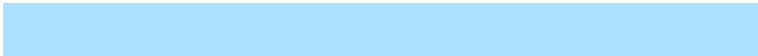
68.6452, 66.4413, 106.4476

Complementary

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



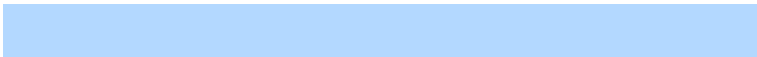
69.7112, 66.4413, 47.6784



61.4994, 69.1870, 104.7208

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.



62.5731, 66.4413, 111.2470



69.7112, 66.4413, 47.6784



53.3001, 66.4413, 88.7485

Square

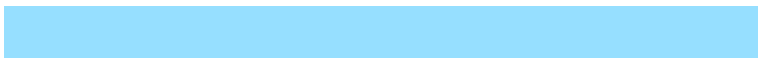
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7112, 66.4413, 47.6784



53.8190, 66.4413, 55.6488



57.0148, 66.4413, 104.3162



73.5026, 66.4413, 92.0815

Rectangle

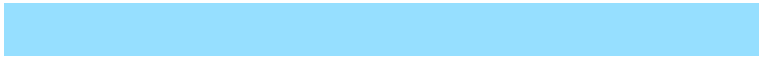
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7112, 66.4413, 47.6784



59.7596, 66.4413, 44.8126



57.0148, 66.4413, 104.3162



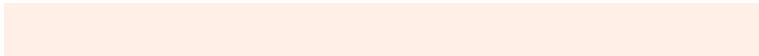
66.6673, 66.4413, 109.3243

Sweetspot

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



69.7129, 66.4444, 47.6797



86.2936, 88.6268, 87.0538



69.2850, 55.7792, 77.7785



18.2233, 18.6458, 18.0262



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.



69.7129, 66.4444, 47.6797



65.5442, 60.6687, 38.3927



80.8815, 88.7816, 51.4026



18.5584, 19.0851, 18.8500



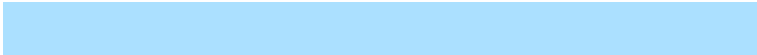
23.7762, 15.5636, 1.7509



2.4152, 1.7157, 0.2039

Inverse Universe

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



61.4994, 69.1870, 104.7208



56.0902, 63.7990, 103.9659



51.6142, 49.4166, 101.4257



17.9583, 19.2881, 23.0264



16.2274, 17.3643, 51.9310



1.6845, 1.8997, 5.0912

Previews

White Background



This preview shows how the XYZ color 69.7112, 66.4413, 47.6784 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 69.7112, 66.4413, 47.6784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

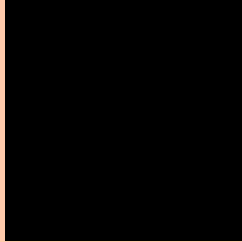
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7112, 66.4413, 47.6784

Background



This preview shows how black text looks on a background with the XYZ color 69.7112, 66.4413, 47.6784.



This preview shows how white text looks on a background with the XYZ color 69.7112, 66.4413,

47.6784.

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

69.7112, 66.4413, 47.6784

Protanopia

62.6821, 66.7306, 50.6509

Deuteranopia

67.7984, 66.5214, 47.2968



Tritanopia

73.3177, 66.4016, 71.2399

Trichromacy



Original Color

69.7112, 66.4413, 47.6784

Protanomaly

65.0325, 66.4898, 49.4506

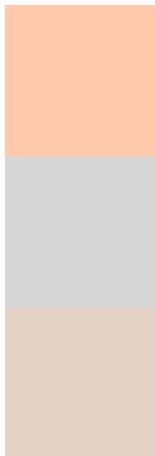
Deuteranomaly

68.6322, 66.5972, 47.2675

Tritanomaly

71.7415, 66.1381, 61.8081

Monochromacy



Original Color

69.7112, 66.4413, 47.6784

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.5527, 66.8284, 62.8703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7112, 66.4413, 47.6784 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 171) }
```

Border

The CSS property to change the border of an element to XYZ 69.7112, 66.4413, 47.6784 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, 171) }
```


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

```
.border{ border-color:rgb(255, 202, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7112, 66.4413, 47.6784 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, 171) }
```

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

```
.background{ background-color: rgb(255,  
202, 171) }
```

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