

Converting Colors

XYZ(132.0406, 100.0000,
49.5138)

Have a look what the booklet for
XYZ(132.0406, 100.0000, 49.5138)
contains.

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Color

**XYZ(70.3792, 68.2298,
46.5061)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCEA8
RGB	255, 206, 168
RGB Percent	100%, 81%, 66%
CMY	0.0000, 0.1921, 0.3412
CMYK	0.00, 0.19, 0.34, 0.00
HSL	26°, 100%, 83%
HSV	26°, 34%, 100%
XYZ	70.3792, 68.2298, 46.5061
YIQ	216.3190, 41.4020, -1.4300

Conversions

Conversions Part 2

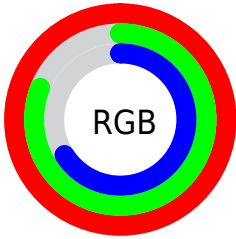
Format	Color
R_{YB}	255, 235, 168
Decimal	16764584
CIE _{Lab}	86.12, 12.17, 25.45
CIE _{LCh}	86, 28.212, 64.446
Yxy	68.2298, 0.3802, 0.3686
Android (android.graphics.Color)	4294954664 (0xFFFFCEA8)
YUV	216.3190, -23.8213, 33.9232
Hunter-Lab	82.6013, 7.5359, 24.4395

Details

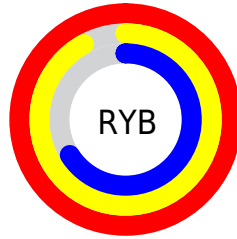
The XYZ color **70.3792, 68.2298, 46.5061** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.0105, 65.1683, 104.0763**, and the grayscale version is **65.6269, 69.0446, 75.1896**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **37.4066, 35.5877, 21.4206** is the 20% darker color. If you saturate the color by 10%, you get **64.9323, 60.7721, 34.0971**, and if you desaturate by 10%, it is **76.6114, 76.5119, 61.4765**.

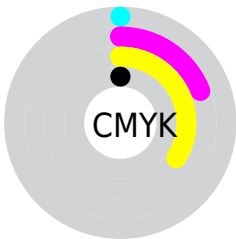
Distribution



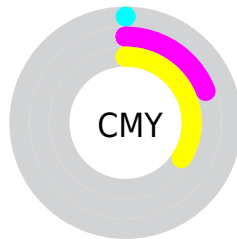
- Red (100%)
- Green (81%)
- Blue (66%)



- Red (100%)
- Yellow (92%)
- Blue (66%)



- Cyan (0%)
- Magenta (19%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3792, 68.2298, 46.5061 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 70.3792, 68.2298, 46.5061 by changing the saturation by 10% instead.

 70.3792, 68.2298,
46.5061

 70.3792, 68.2298,
46.5061


451.1260,
454.3098, 389.1762

 52.1164, 50.0847,
32.2938

 118.7727,
116.6808, 86.3182

 37.3225, 35.4807,
21.3194

 149.6341,
147.7556, 112.7550

 25.6321, 24.0334,
13.1641


185.4258,
183.9090, 144.1039

 16.6799, 15.3584,
7.4096

226.5132,
225.5254, 180.7832

 10.1004, 9.0713,
3.6373

273.2615,
272.9893, 223.2115

 5.5284, 4.7877,
1.4285

326.0362,

 2.5984, 2.1233,

326.6851, 271.8074

0.1638

385.2026,
386.9971, 326.9895

■ 0.9451, 0.6777,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.3792, 68.2298,
46.5061

■ 70.3792, 68.2298,
46.5061

■ 64.9323, 60.7721,
34.0971

■ 76.6114, 76.5119,
61.4765

■ 60.2296, 54.1016,
24.0984

■ 83.6568, 85.6353,
79.1392

■ 56.2340, 48.1918,
16.3495

■ 91.5483, 95.6279,
99.6209

■ 52.9021, 43.0108,
10.6682

95.0500, 100.0000,
108.9000

■ 50.1850, 38.5234,
6.8432

■ 48.0239, 34.6899,
4.6167

■ 46.9677, 32.7154,
3.8392

Harmonies

Analogous

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



75.6863, 68.2298, 55.8671



70.3792, 68.2298, 46.5061



63.8886, 68.2298, 44.0721

Triad

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



70.3792, 68.2298, 46.5061



53.1962, 68.2298, 77.0933



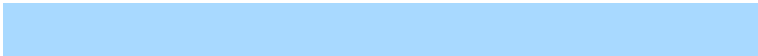
72.1620, 68.2298, 107.8025

Complementary

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



70.3792, 68.2298, 46.5061



59.0105, 65.1683, 104.0763

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.



65.8217, 68.2298, 115.8842



70.3792, 68.2298, 46.5061



55.1015, 68.2298, 96.3754

Square

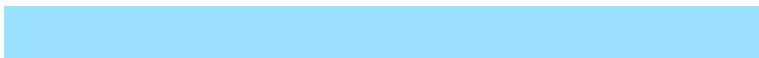
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3792, 68.2298, 46.5061



54.2389, 68.2298, 59.9265



59.6190, 68.2298, 111.3896



76.7627, 68.2298, 90.7842

Rectangle

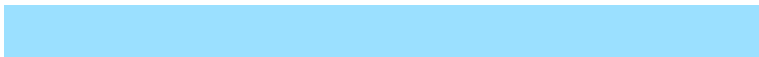
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3792, 68.2298, 46.5061



59.8259, 68.2298, 46.2928



59.6190, 68.2298, 111.3896



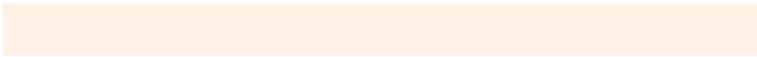
70.1486, 68.2298, 111.7725

Sweetspot

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



70.3809, 68.2330, 46.5075



86.8015, 89.6425, 87.2231



67.8065, 54.2914, 72.7564



18.3458, 18.8908, 18.0670



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.



70.3809, 68.2330, 46.5075



66.5488, 63.0115, 37.6994



82.2456, 91.9624, 50.4624



18.6622, 19.2926, 18.8846



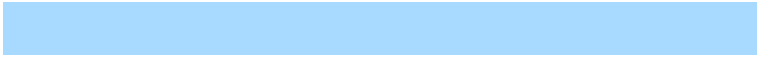
24.6840, 17.3793, 2.0535



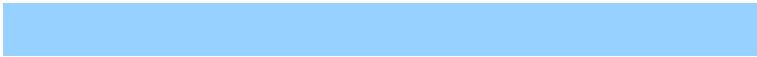
2.5098, 1.9050, 0.2354

Inverse Universe

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



59.0105, 65.1683, 104.0763



53.5916, 59.5088, 103.2695



49.2966, 45.7406, 100.8383



17.8518, 19.0752, 22.9909



14.7628, 14.4353, 51.4428



1.5462, 1.6231, 5.0451

Previews

White Background



This preview shows how the XYZ color 70.3792, 68.2298, 46.5061 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 70.3792, 68.2298, 46.5061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

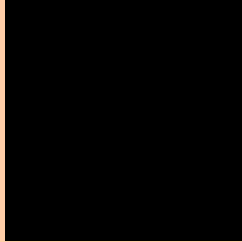
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3792, 68.2298, 46.5061

Background



This preview shows how black text looks on a background with the XYZ color 70.3792, 68.2298, 46.5061.



This preview shows how white text looks on a background with the XYZ color 70.3792, 68.2298,

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

70.3792, 68.2298, 46.5061

Protanopia

64.0599, 68.2374, 48.8245

Deuteranopia

69.8887, 68.3354, 46.5523



Tritanopia

74.6263, 68.4074, 73.5607

Trichromacy



Original Color

70.3792, 68.2298, 46.5061

Protanomaly

66.1541, 68.2044, 48.2061

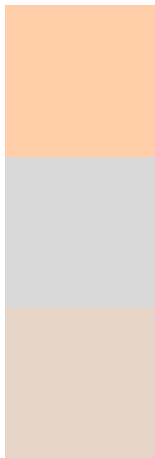
Deuteranomaly

70.2538, 68.5236, 46.5694

Tritanomaly

72.7890, 68.0491, 62.7245

Monochromacy



Original Color

70.3792, 68.2298, 46.5061

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.4854, 68.0335, 63.6604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3792, 68.2298, 46.5061 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, 206, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 168)  
}
```

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, 206, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 168) }
```

Border

The CSS property to change the border of an element to XYZ 70.3792, 68.2298, 46.5061 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, 206, 168) }
```


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

```
.border{ border-color:rgb(255, 206, 168) }
```

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

Here you see how a box with a 4 pixel rgb(255, 206, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3792, 68.2298, 46.5061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 168) }
```

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

```
.background{ background-color: rgb(255,  
206, 168) }
```

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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