

Converting Colors

XYZ(97.9984, 81.3281, 44.3692)

Have a look what the booklet for
XYZ(97.9984, 81.3281, 44.3692)
contains.

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Color

**XYZ(69.0290, 66.5451,
42.9245)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCBA1
RGB	255, 203, 161
RGB Percent	100%, 80%, 63%
CMY	0.0000, 0.2039, 0.3686
CMYK	0.00, 0.20, 0.37, 0.00
HSL	27°, 100%, 82%
HSV	27°, 37%, 100%
XYZ	69.0290, 66.5451, 42.9245
YIQ	213.7600, 44.4740, -2.0380

Conversions

Conversions Part 2

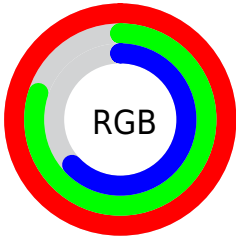
Format	Color
R _Y B	255, 237, 161
Decimal	16763809
CIE Lab	85.27, 12.91, 27.96
CIE LCh	85, 30.798, 65.214
Yxy	66.5451, 0.3867, 0.3728
Android (android.graphics.Color)	4294953889 (0xFFFFCBA1)
YUV	213.7600, -26.0107, 36.1675
Hunter-Lab	81.5752, 8.2903, 25.9045

Details

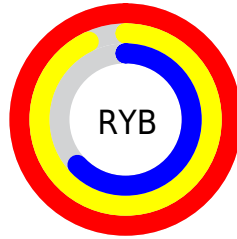
The XYZ color **69.0290, 66.5451, 42.9245** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.5414, 62.3834, 103.6689**, and the grayscale version is **63.9050, 67.2330, 73.2168**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **36.5337, 34.4693, 19.1957** is the 20% darker color. If you saturate the color by 10%, you get **63.8250, 59.3763, 31.2042**, and if you desaturate by 10%, it is **74.9980, 74.5097, 57.1636**.

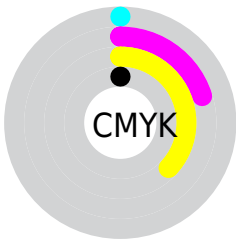
Distribution



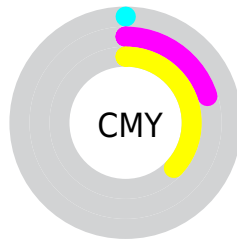
- Red (100%)
- Green (80%)
- Blue (63%)



- Red (100%)
- Yellow (93%)
- Blue (63%)



- Cyan (0%)
- Magenta (20%)
- Yellow (37%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.0290, 66.5451, 42.9245 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 69.0290, 66.5451, 42.9245 by changing the saturation by 10% instead.


 69.0290, 66.5451,
42.9245


 69.0290, 66.5451,
42.9245


446.4530,
448.3238, 374.2133

 51.0121, 48.7150,
29.4949


 116.8568,
114.2683, 80.8821

 36.4393, 34.3935,
19.2067


 147.3984,
144.9303, 106.2471

 24.9453, 23.1960,
11.6414


182.8456,
180.6384, 136.4277

 16.1648, 14.7383,
6.3805

223.5638,
221.7769, 171.8424

 9.7325, 8.6359,
3.0053

269.9182,
268.7303, 212.9098

 5.2828, 4.5045,
1.0973

322.2744,

 2.4506, 1.9596,

321.8830, 260.0484

0.0000

380.9975,
381.6194, 313.6767

■ 0.8704, 0.5838,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.0290, 66.5451,
42.9245

■ 69.0290, 66.5451,
42.9245

■ 63.8250, 59.3763,
31.2042

■ 74.9980, 74.5097,
57.1636

■ 59.3450, 52.9667,
21.8481

■ 81.7604, 83.2865,
74.0552

■ 55.5510, 47.2901,
14.6910

■ 89.3492, 92.9031,
93.7286

■ 52.3991, 42.3150,
9.5438

95.0500, 100.0000,
108.9000

■ 49.8384, 38.0062,
6.1851

■ 47.8068, 34.3234,
4.3352

■ 47.2518, 33.2836,
3.9339

Harmonies

Analogous

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



74.8291, 66.5451, 52.5203



69.0290, 66.5451, 42.9245



62.0402, 66.5451, 40.5889

Triad

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



69.0290, 66.5451, 42.9245



50.8321, 66.5451, 75.9969



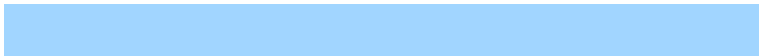
71.2870, 66.5451, 108.5108

Complementary

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



69.0290, 66.5451, 42.9245



56.5414, 62.3834, 103.6689

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.



64.4736, 66.5451, 117.7370



69.0290, 66.5451, 42.9245



52.9301, 66.5451, 96.8895

Square

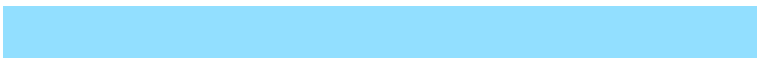
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.0290, 66.5451, 42.9245



51.8570, 66.5451, 57.5425



57.8012, 66.5451, 113.1361



76.1983, 66.5451, 89.7471

Rectangle

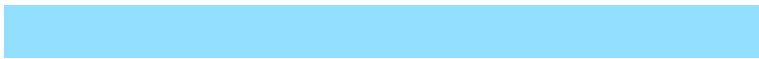
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.0290, 66.5451, 42.9245



57.7158, 66.5451, 43.0101



57.8012, 66.5451, 113.1361



69.1253, 66.5451, 112.9730

Sweetspot

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



69.0307, 66.5482, 42.9258



86.1068, 88.8204, 85.2426



66.1570, 51.6191, 70.2742



18.2097, 18.7317, 17.6731



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.



69.0307, 66.5482, 42.9258



65.2391, 61.3498, 34.3105



81.4665, 91.4200, 47.0711



18.6776, 19.3234, 18.8897



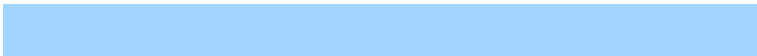
24.8339, 17.6790, 2.1035



2.5250, 1.9355, 0.2405

Inverse Universe

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



56.5414, 62.3834, 103.6689



51.1413, 56.6382, 102.8446



46.6162, 42.5331, 100.3605



17.8361, 19.0439, 22.9857



14.5636, 14.0368, 51.3764



1.5271, 1.5849, 5.0387

Previews

White Background



This preview shows how the XYZ color 69.0290, 66.5451, 42.9245 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 69.0290, 66.5451, 42.9245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

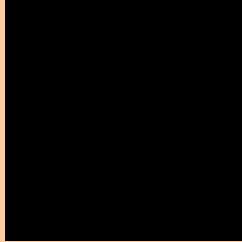
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.0290, 66.5451, 42.9245

Background



This preview shows how black text looks on a background with the XYZ color 69.0290, 66.5451, 42.9245.



This preview shows how white text looks on a background with the XYZ color 69.0290, 66.5451,

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

69.0290, 66.5451, 42.9245

Protanopia

62.3557, 66.6726, 45.6590

Deuteranopia

68.0480, 66.7451, 43.0148



Tritanopia

73.3177, 66.4016, 71.2399

Trichromacy



Original Color

69.0290, 66.5451, 42.9245

Protanomaly

64.4264, 66.2858, 44.5208

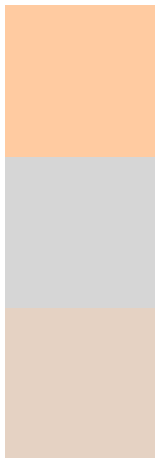
Deuteranomaly

68.1708, 66.4544, 42.9522

Tritanomaly

71.5199, 66.4188, 59.5027

Monochromacy



Original Color

69.0290, 66.5451, 42.9245

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

65.2100, 66.6913, 61.0655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0290, 66.5451, 42.9245 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, 203, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 161)  
}
```

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, 203, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 161) }
```

Border

The CSS property to change the border of an element to XYZ 69.0290, 66.5451, 42.9245 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, 203, 161) }
```


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

```
.border{ border-color:rgb(255, 203, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0290, 66.5451, 42.9245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 161) }
```

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

```
.background{ background-color: rgb(255,  
203, 161) }
```

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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