

Converting Colors

XYZ(70.5032, 67.2555, 50.3159)

Have a look what the booklet for XYZ(70.5032, 67.2555, 50.3159) contains.

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Color

**XYZ(70.4324, 67.1065,
50.3149)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCBB0
RGB	255, 203, 176
RGB Percent	100%, 80%, 69%
CMY	0.0000, 0.2039, 0.3098
CMYK	0.00, 0.20, 0.31, 0.00
HSL	21°, 100%, 85%
HSV	21°, 31%, 100%
XYZ	70.4324, 67.1065, 50.3149
YIQ	215.4700, 39.6590, 2.6270

Conversions

Conversions Part 2

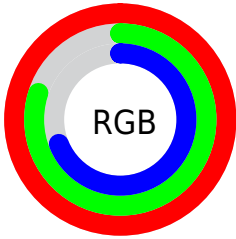
Format	Color
R _Y B	255, 217, 176
Decimal	16763824
CIE Lab	85.56, 14.71, 20.48
CIE LCh	86, 25.214, 54.302
Yxy	67.1065, 0.3749, 0.3572
Android (android.graphics.Color)	4294953904 (0xFFFFCBB0)
YUV	215.4700, -19.4587, 34.6678
Hunter-Lab	81.9186, 10.1143, 20.9267

Details

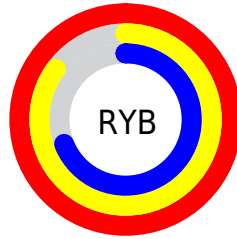
The XYZ color **70.4324, 67.1065, 50.3149** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.6969, 71.9343, 105.1353**, and the grayscale version is **65.0205, 68.4066, 74.4948**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **37.3486, 34.7953, 23.4866** is the 20% darker color. If you saturate the color by 10%, you get **64.3915, 58.6903, 37.0009**, and if you desaturate by 10%, it is **77.3797, 76.5767, 66.2706**.

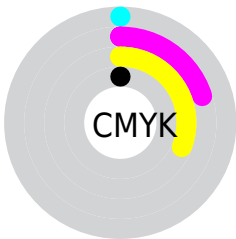
Distribution



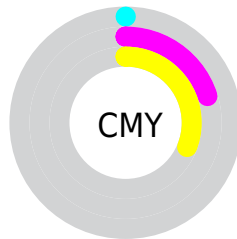
- Red (100%)
- Green (80%)
- Blue (69%)



- Red (100%)
- Yellow (85%)
- Blue (69%)



- Cyan (0%)
- Magenta (20%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4324, 67.1065, 50.3149 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 70.4324, 67.1065, 50.3149 by changing the saturation by 10% instead.


 70.4324, 67.1065,
50.3149

 70.4324, 67.1065,
50.3149


451.3096,
450.3238, 404.6664

 52.1600, 49.1712,
35.2907


 118.8481,
115.0730, 92.0424

 37.3574, 34.7553,
23.6016


149.7221,
145.8730, 119.5828

 25.6593, 23.4744,
14.8289


185.5273,
181.7300, 152.1323

 16.7003, 14.9442,
8.5541

226.6292,
223.0283, 190.1096

 10.1150, 8.7802,
4.3587

273.3929,
270.1525, 233.9331

 5.5381, 4.5981,
1.8241

326.1840,

 2.6043, 2.0135,

323.4869, 284.0214

0.4438

385.3678,
383.4158, 340.7930

■ 0.9481, 0.6153,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.4324, 67.1065,
50.3149

■ 70.4324, 67.1065,
50.3149

■ 64.3915, 58.6903,
37.0009

■ 77.3797, 76.5767,
66.2706

■ 59.2118, 51.2808,
26.1799

■ 85.2659, 87.1273,
84.9974

■ 54.8514, 44.8410,
17.6947

■ 94.1279, 98.7954,
106.6211

■ 51.2626, 39.3274,
11.3680

■ 95.0500, 100.0000,
108.9000

■ 48.3916, 34.6930,
6.9968

■ 46.1764, 30.8853,
4.3384

■ 44.6620, 28.1039,
3.0707

Harmonies

Analogous

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



74.3640, 67.1065, 60.8321



70.4324, 67.1065, 50.3149



64.8833, 67.1065, 45.9447

Triad

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



70.4324, 67.1065, 50.3149



53.4324, 67.1065, 69.9782



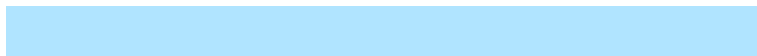
68.4268, 67.1065, 105.7754

Complementary

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



70.4324, 67.1065, 50.3149



63.6969, 71.9343, 105.1353

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.



62.6947, 67.1065, 109.1911



70.4324, 67.1065, 50.3149



54.2561, 67.1065, 86.8426

Square

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



70.4324, 67.1065, 50.3149



55.2444, 67.1065, 56.1536



57.5653, 67.1065, 101.8153



73.1583, 67.1065, 93.0767

Rectangle

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



70.4324, 67.1065, 50.3149



61.0987, 67.1065, 46.5508



57.5653, 67.1065, 101.8153



66.5442, 67.1065, 108.1198

Sweetspot

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



70.4341, 67.1096, 50.3163



86.9419, 89.3476, 89.0447



70.8621, 57.9498, 81.3359



18.3447, 18.7739, 18.4202



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.



70.4341, 67.1096, 50.3163



66.6907, 61.9178, 41.9930



80.7792, 87.7999, 53.7646



18.5169, 19.0021, 18.8361



23.4608, 14.9329, 1.6458



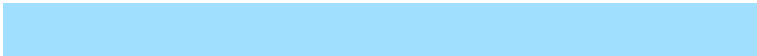
2.3811, 1.6475, 0.1925

Inverse Universe

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



63.6969, 71.9343, 105.1353



58.9977, 67.4011, 104.5080



54.1886, 52.9178, 101.9658



18.0014, 19.3743, 23.0408



16.8761, 18.6618, 52.1472



1.7448, 2.0202, 5.1113

Previews

White Background



This preview shows how the XYZ color 70.4324, 67.1065, 50.3149 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 70.4324, 67.1065, 50.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

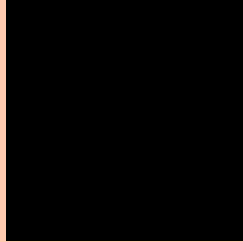
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4324, 67.1065, 50.3149

Background



This preview shows how black text looks on a background with the XYZ color 70.4324, 67.1065, 50.3149.



This preview shows how white text looks on a background with the XYZ color 70.4324, 67.1065,

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

70.4324, 67.1065, 50.3149

Protanopia

63.4384, 67.4369, 53.3891

Deuteranopia

68.5206, 67.1942, 49.9158



Tritanopia

73.6737, 66.9109, 71.9829

Trichromacy



Original Color

70.4324, 67.1065, 50.3149

Protanomaly

65.7753, 67.1807, 52.1483

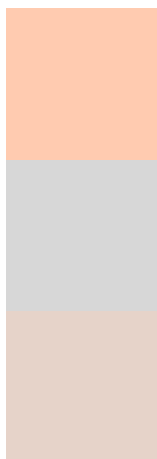
Deuteranomaly

69.3528, 67.2670, 49.8860

Tritanomaly

72.3196, 66.7387, 63.7138

Monochromacy



Original Color

70.4324, 67.1065, 50.3149

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.4700, 67.6286, 64.8086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4324, 67.1065, 50.3149 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 176) }
```

Border

The CSS property to change the border of an element to XYZ 70.4324, 67.1065, 50.3149 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, 176) }
```


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

```
.border{ border-color:rgb(255, 203, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4324, 67.1065, 50.3149 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, 176) }
```

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

```
.background{ background-color: rgb(255,  
203, 176) }
```

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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