

Converting Colors

XYZ(87.4983, 76.3034, 45.2027)

Have a look what the booklet for
XYZ(87.4983, 76.3034, 45.2027)
contains.

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Color

**XYZ(69.5337, 67.1261,
44.4138)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCA4
RGB	255, 204, 164
RGB Percent	100%, 80%, 64%
CMY	0.0000, 0.2000, 0.3569
CMYK	0.00, 0.20, 0.36, 0.00
HSL	26°, 100%, 82%
HSV	26°, 36%, 100%
XYZ	69.5337, 67.1261, 44.4138
YIQ	214.6890, 43.2360, -1.6280

Conversions

Conversions Part 2

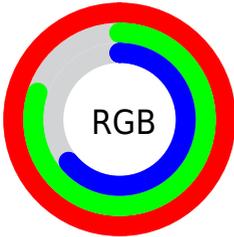
Format	Color
R _Y B	255, 235, 164
Decimal	16764068
CIE Lab	85.57, 12.74, 26.79
CIE LCh	86, 29.665, 64.572
Yxy	67.1261, 0.3840, 0.3707
Android (android.graphics.Color)	4294954148 (0xFFFFCCA4)
YUV	214.6890, -24.9897, 35.3527
Hunter-Lab	81.9305, 8.1129, 25.2108

Details

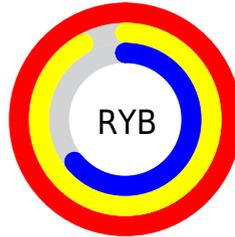
The XYZ color **69.5337, 67.1261, 44.4138** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.6594, 63.7111, 103.8662**, and the grayscale version is **64.5256, 67.8860, 73.9278**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **36.8569, 34.8529, 20.1139** is the 20% darker color. If you saturate the color by 10%, you get **64.2161, 59.8139, 32.3964**, and if you desaturate by 10%, it is **75.6282, 75.2525, 58.9694**.

Distribution



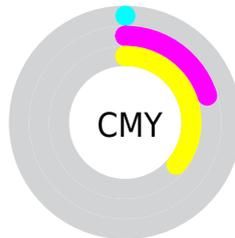
- Red (100%)
- Green (80%)
- Blue (64%)



- Red (100%)
- Yellow (92%)
- Blue (64%)



- Cyan (0%)
- Magenta (20%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5337, 67.1261, 44.4138 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 69.5337, 67.1261, 44.4138 by changing the saturation by 10% instead.

 69.5337, 67.1261,
44.4138

 69.5337, 67.1261,
44.4138

448.2030,
450.3935, 380.4849

 51.4247, 49.1871,
30.6564

 117.5734,
115.1011, 83.1492

 36.7691, 34.7679,
20.0811

 148.2349,
145.9059, 108.9642

 25.2016, 23.4842,
12.2693

183.8112,
181.7680, 139.6354

 16.3569, 14.9514,
6.8026

224.6677,
223.0720, 175.5815

 9.8695, 8.7853,
3.2624

271.1698,
270.2021, 217.2210

 5.3741, 4.6014,
1.2301

323.6828,

 2.5054, 2.0153,

323.5428, 264.9723

0.0035

382.5721,
383.4785, 319.2541

■ 0.8980, 0.6164,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.5337, 67.1261,
44.4138

■ 69.5337, 67.1261,
44.4138

■ 64.2161, 59.8139,
32.3964

■ 75.6282, 75.2525,
58.9694

■ 59.6340, 53.2788,
22.7641

■ 82.5278, 84.2100,
76.1957

■ 55.7498, 47.4942,
15.3537

■ 90.2655, 94.0265,
96.2209

■ 52.5196, 42.4280,
9.9790

95.0500, 100.0000,
108.9000

■ 49.8933, 38.0448,
6.4233

■ 47.8105, 34.3044,
4.4182

■ 47.0456, 32.8712,
3.8652

Harmonies

Analogous

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



75.0875, 67.1261, 53.9730



69.5337, 67.1261, 44.4138



62.7731, 67.1261, 41.9636

Triad

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



69.5337, 67.1261, 44.4138



51.7267, 67.1261, 76.0900



71.4474, 67.1261, 108.1380

Complementary

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



69.5337, 67.1261, 44.4138



57.6594, 63.7111, 103.8662

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.



64.8408, 67.1261, 116.7185



69.5337, 67.1261, 44.4138



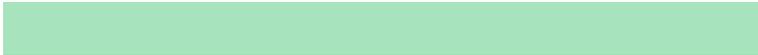
53.7069, 67.1261, 96.2568

Square

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



69.5337, 67.1261, 44.4138



52.7904, 67.1261, 58.2723



58.3930, 67.1261, 112.0282



76.2459, 67.1261, 90.2256

Rectangle

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



69.5337, 67.1261, 44.4138



58.5586, 67.1261, 44.2458



58.3930, 67.1261, 112.0282



69.3480, 67.1261, 112.3402

Sweetspot

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



69.5354, 67.1293, 44.4152



86.0472, 88.7012, 85.2227



66.8546, 52.7471, 71.3305



18.1956, 18.7034, 17.6684



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

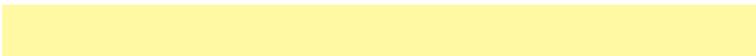
The Same Dimension uses a secret algorithm to generate beautiful new colors.



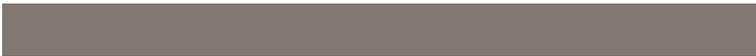
69.5354, 67.1293, 44.4152



65.5707, 61.7007, 35.3833



81.7961, 91.6506, 48.5020



18.6665, 19.3011, 18.8860



24.7251, 17.4615, 2.0673



2.5140, 1.9134, 0.2368

Inverse Universe

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



57.6594, 63.7111, 103.8662



52.0521, 57.7982, 103.0205



47.7478, 43.8878, 100.5623



17.8475, 19.0665, 22.9895



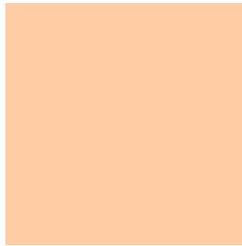
14.7072, 14.3240, 51.4242



1.5409, 1.6124, 5.0433

Previews

White Background



This preview shows how the XYZ color 69.5337, 67.1261, 44.4138 looks on a white background.

Color Contrast Check

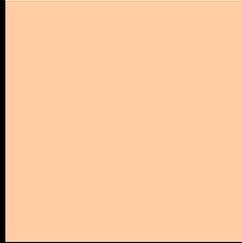
Large Text (above 18pt) WCAG AA × Fail

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 69.5337, 67.1261, 44.4138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

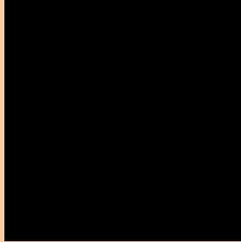
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.5337, 67.1261, 44.4138

Background



This preview shows how black text looks on a background with the XYZ color 69.5337, 67.1261, 44.4138.

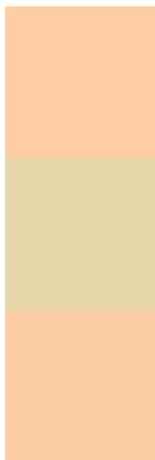


This preview shows how white text looks on a background with the XYZ color 69.5337, 67.1261,

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

69.5337, 67.1261, 44.4138

Protanopia

63.1094, 67.4143, 46.7318

Deuteranopia

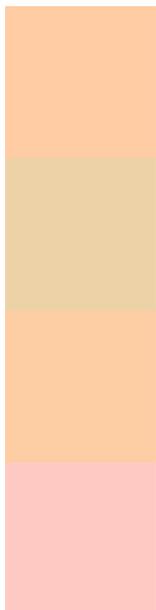
68.6770, 67.0384, 44.4420



Tritanopia

73.6737, 66.9109, 71.9829

Trichromacy



Original Color

69.5337, 67.1261, 44.4138

Protanomaly

65.2815, 67.0604, 46.0625

Deuteranomaly

69.0402, 67.2256, 44.4590

Tritanomaly

71.9770, 66.9734, 60.7633

Monochromacy



Original Color

69.5337, 67.1261, 44.4138

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.8912, 67.3970, 61.7606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5337, 67.1261, 44.4138 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, 204, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 164)  
}
```

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, 204, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 164) }
```

Border

The CSS property to change the border of an element to XYZ 69.5337, 67.1261, 44.4138 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, 204, 164) }
```

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

```
.border{ border-color:rgb(255, 204, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5337, 67.1261, 44.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 164) }
```

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

```
.background{ background-color: rgb(255,  
204, 164) }
```

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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