

Converting Colors

XYZ(70.0121, 68.0829, 44.5732)

Have a look what the booklet for XYZ(70.0121, 68.0829, 44.5732) contains.

- XYZ(70.0121, 68.0829, 44.5732) 3**
- Conversions*** 4
- Details*** 6
- Harmonies*** 12
- Previews*** 24
- Color Blindness Simulation*** 28
- CSS Examples*** 31

Color

**XYZ(70.0121, 68.0829,
44.5732)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCEA4
RGB	255, 206, 164
RGB Percent	100%, 81%, 64%
CMY	0.0000, 0.1921, 0.3569
CMYK	0.00, 0.19, 0.36, 0.00
HSL	28°, 100%, 82%
HSV	28°, 36%, 100%
XYZ	70.0121, 68.0829, 44.5732
YIQ	215.8630, 42.6860, -2.6740

Conversions

Conversions Part 2

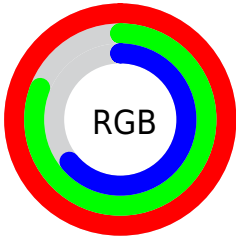
Format	Color
R _Y B	255, 242, 164
Decimal	16764580
CIE Lab	86.05, 11.70, 27.44
CIE LCh	86, 29.831, 66.913
Yxy	68.0829, 0.3833, 0.3727
Android (android.graphics.Color)	4294954660 (0xFFFFCEA4)
YUV	215.8630, -25.5685, 34.3231
Hunter-Lab	82.5124, 7.0614, 25.7302

Details

The XYZ color **70.0121, 68.0829, 44.5732** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.1533, 62.6988, 103.6975**, and the grayscale version is **65.3266, 68.7287, 74.8456**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **37.1788, 35.4966, 20.2212** is the 20% darker color. If you saturate the color by 10%, you get **64.7744, 60.9307, 32.5825**, and if you desaturate by 10%, it is **76.0037, 76.0037, 59.0945**.

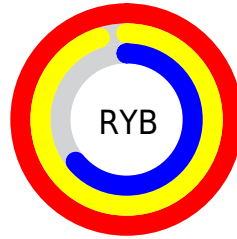
Distribution



Red (100%)

Green (81%)

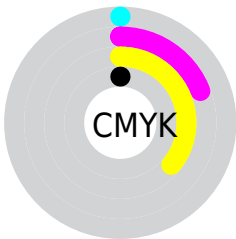
Blue (64%)



Red (100%)

Yellow (95%)

Blue (64%)

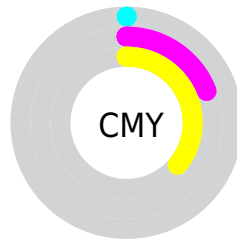


Cyan (0%)

Magenta (19%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0121, 68.0829, 44.5732 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 70.0121, 68.0829, 44.5732 by changing the saturation by 10% instead.


 70.0121, 68.0829,
44.5732


 70.0121, 68.0829,
44.5732

449.8582,
453.7897, 381.1518

 51.8160, 49.9652,
30.7809


 118.2522,
116.4707, 83.3912

 37.0821, 35.3857,
20.1750

 149.0269,
147.5096, 109.2540

 25.4451, 23.9602,
12.3370

184.7252,
183.6244, 139.9774

 16.5394, 15.3041,
6.8483

225.7125,
225.1994, 175.9799

 9.9999, 9.0331,
3.2904

272.3541,
272.6190, 217.6800

 5.4612, 4.7628,
1.2448

325.0153,

 2.5578, 2.1087,

326.2677, 265.4964

0.0159

384.0616,
386.5298, 319.8475

■ 0.9245, 0.6695,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.0121, 68.0829,
44.5732

■ 70.0121, 68.0829,
44.5732

■ 64.7744, 60.9307,
32.5825

■ 76.0037, 76.0037,
59.0945

■ 60.2504, 54.5116,
22.9695

■ 82.7766, 84.7078,
76.2786

■ 56.4033, 48.8013,
15.5715

■ 90.3630, 94.2214,
96.2533

■ 53.1906, 43.7698,
10.2027

95.0500, 100.0000,
108.9000

■ 50.5631, 39.3844,
6.6465

■ 48.4619, 35.6071,
4.6353

■ 47.6841, 34.1481,
4.0780

Harmonies

Analogous

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



75.8187, 68.0829, 53.7123



70.0121, 68.0829, 44.5732



63.1391, 68.0829, 42.6455

Triad

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



70.0121, 68.0829, 44.5732



52.5008, 68.0829, 78.7620



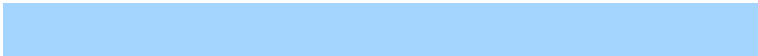
72.9446, 68.0829, 108.5505

Complementary

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



70.0121, 68.0829, 44.5732



57.1533, 62.6988, 103.6975

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.



66.3083, 68.0829, 118.2167



70.0121, 68.0829, 44.5732



54.7444, 68.0829, 99.1612

Square

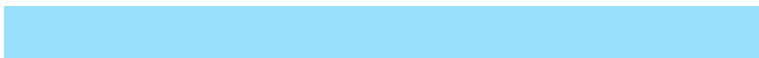
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0121, 68.0829, 44.5732



53.3392, 68.0829, 60.3060



59.6840, 68.0829, 114.5081



77.5935, 68.0829, 89.9215

Rectangle

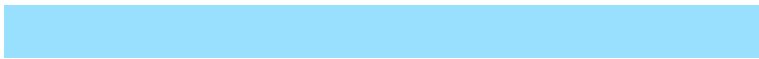
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0121, 68.0829, 44.5732



58.9325, 68.0829, 45.3352



59.6840, 68.0829, 114.5081



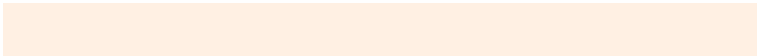
70.8548, 68.0829, 113.0927

Sweetspot

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



70.0138, 68.0861, 44.5746



86.2282, 89.0633, 85.2831



66.6598, 52.6692, 70.3051



18.2386, 18.7895, 17.6827



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.



70.0138, 68.0861, 44.5746



66.1097, 62.7789, 35.5630



82.2666, 92.5917, 48.6588



18.7003, 19.3689, 18.8973



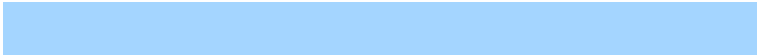
25.0616, 18.1344, 2.1794



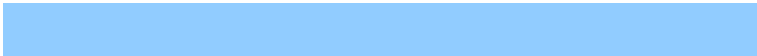
2.5480, 1.9814, 0.2482

Inverse Universe

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



57.1533, 62.6988, 103.6975



51.4735, 56.6409, 102.8276



47.4649, 43.3221, 100.4681



17.8131, 18.9979, 22.9781



14.2787, 13.4670, 51.2814



1.4996, 1.5299, 5.0295

Previews

White Background



This preview shows how the XYZ color 70.0121, 68.0829, 44.5732 looks on a white background.

Color Contrast Check

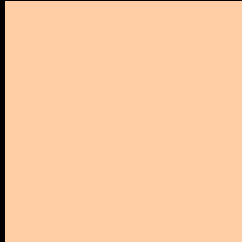
Large Text (above 18pt) WCAG AA × Fail

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 70.0121, 68.0829, 44.5732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

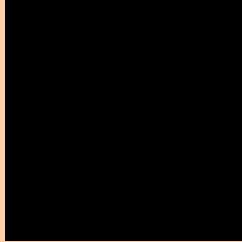
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0121, 68.0829, 44.5732

Background



This preview shows how black text looks on a background with the XYZ color 70.0121, 68.0829, 44.5732.



This preview shows how white text looks on a background with the XYZ color 70.0121, 68.0829,

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

70.0121, 68.0829, 44.5732

Protanopia

64.0014, 68.2510, 46.8463

Deuteranopia

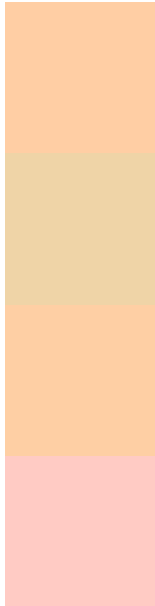
69.5217, 68.1886, 44.6195



Tritanopia

74.3924, 67.9396, 73.4827

Trichromacy



Original Color

70.0121, 68.0829, 44.5732

Protanomaly

66.1151, 68.2277, 46.2438

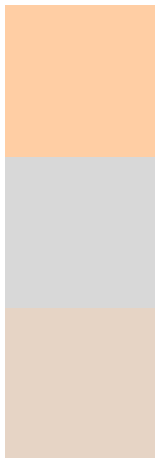
Deuteranomaly

69.8867, 68.3768, 44.6366

Tritanomaly

72.5597, 67.9574, 61.5173

Monochromacy



Original Color

70.0121, 68.0829, 44.5732

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.2547, 67.9412, 62.4453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0121, 68.0829, 44.5732 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 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, 206, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 164) }
```

Border

The CSS property to change the border of an element to XYZ 70.0121, 68.0829, 44.5732 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, 164) }
```


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

```
.border{ border-color:rgb(255, 206, 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, 206, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0121, 68.0829, 44.5732 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, 164) }
```

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

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