

Converting Colors

XYZ(68.3657, 66.5776, 32.7781)

Have a look what the booklet for
XYZ(68.3657, 66.5776, 32.7781)
contains.

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Color

**XYZ(67.1113, 65.7780,
32.8262)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCB89
RGB	255, 203, 137
RGB Percent	100%, 80%, 54%
CMY	0.0000, 0.2039, 0.4627
CMYK	0.00, 0.20, 0.46, 0.00
HSL	34°, 100%, 77%
HSV	34°, 46%, 100%
XYZ	67.1113, 65.7780, 32.8262
YIQ	211.0240, 52.1780, -9.5020

Conversions

Conversions Part 2

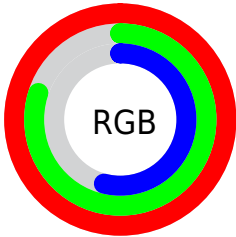
Format	Color
R _Y B	230, 255, 137
Decimal	16763785
CIE Lab	84.88, 10.39, 39.83
CIE LCh	85, 41.164, 75.374
Yxy	65.7780, 0.4050, 0.3969
Android (android.graphics.Color)	4294953865 (0xFFFFCB89)
YUV	211.0240, -36.4938, 38.5670
Hunter-Lab	81.1036, 5.7731, 32.7753

Details

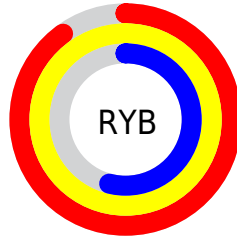
The XYZ color **67.1113, 65.7780, 32.8262** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.5634, 48.9317, 101.5982**, and the grayscale version is **62.1435, 65.3798, 71.1987**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **35.1921, 33.9025, 13.4931** is the 20% darker color. If you saturate the color by 10%, you get **62.9362, 60.0173, 23.4517**, and if you desaturate by 10%, it is **71.9143, 72.1025, 44.5438**.

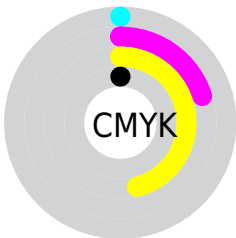
Distribution



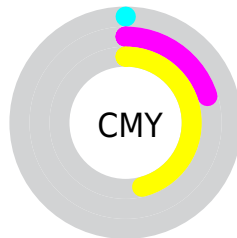
- Red (100%)
- Green (80%)
- Blue (54%)



- Red (90%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (20%)
- Yellow (46%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1113, 65.7780, 32.8262 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 67.1113, 65.7780, 32.8262 by changing the saturation by 10% instead.

67.1113, 65.7780,
32.8262

67.1113, 65.7780,
32.8262

439.7671,
445.5825, 329.4738

49.4461, 48.0922,
21.7233

114.1288,
113.1676, 65.2170

35.1895, 33.8999,
13.4574

144.2118,
143.6403, 87.3419

23.9761, 22.8167,
7.6098

179.1648,
179.1440, 113.9780

15.4405, 14.4582,
3.7621

219.3532,
220.0632, 145.5437

9.2175, 8.4401,
1.4958

265.1422,
266.7822, 182.4576

4.9415, 4.3778,
0.2148

316.8973,

2.2474, 1.8871,

319.6855, 225.1382

0.0000

374.9838,
379.1575, 274.0041

■ 0.7675, 0.5406,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.1113, 65.7780,
32.8262

■ 67.1113, 65.7780,
32.8262

■ 62.9362, 60.0173,
23.4517

■ 71.9143, 72.1025,
44.5438

■ 59.3491, 54.7906,
16.2522

■ 77.3720, 79.0005,
58.7488

■ 56.3124, 50.0787,
11.0431

■ 83.5156, 86.4929,
75.5785

■ 53.7808, 45.8563,
7.6069

■ 90.3725, 94.5966,
95.1588

■ 51.6987, 42.0943, 95.0499, 100.0000,
5.6731 108.9000

■ 51.0083, 40.7968,
5.1861

Harmonies

Analogous

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



75.8403, 65.7780, 41.1845



67.1113, 65.7780, 32.8262



57.9299, 65.7780, 32.9285

Triad

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



67.1113, 65.7780, 32.8262



46.9154, 65.7780, 85.9658



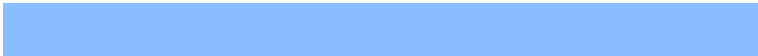
76.0270, 65.7780, 113.6088

Complementary

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



67.1113, 65.7780, 32.8262



46.5634, 48.9317, 101.5982

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.



67.3464, 65.7780, 132.6898



67.1113, 65.7780, 32.8262



50.8585, 65.7780, 114.2488

Square

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



67.1113, 65.7780, 32.8262



46.8658, 65.7780, 59.5333



58.1431, 65.7780, 132.9493



81.3214, 65.7780, 85.2434

Rectangle

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



67.1113, 65.7780, 32.8262



52.7943, 65.7780, 37.6453



58.1431, 65.7780, 132.9493



73.3723, 65.7780, 121.5985

Sweetspot

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



67.1129, 65.7811, 32.8275



85.0112, 88.2812, 79.7845



59.4912, 42.8740, 53.9131



17.8920, 18.5324, 16.2221



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.



67.1129, 65.7811, 32.8275



63.0426, 60.1679, 23.6786



79.3780, 93.4842, 37.5283



18.8522, 19.6727, 18.9479



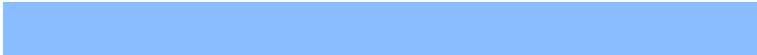
26.8044, 21.6200, 2.7603



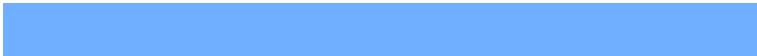
2.7188, 2.3229, 0.3051

Inverse Universe

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



46.5634, 48.9317, 101.5982



40.1113, 41.3853, 100.4818



38.3067, 30.9428, 98.5611



17.6617, 18.6949, 22.9276



12.6229, 10.1553, 50.7295



1.3357, 1.2021, 4.9749

Previews

White Background



This preview shows how the XYZ color 67.1113, 65.7780, 32.8262 looks on a white background.

Color Contrast Check

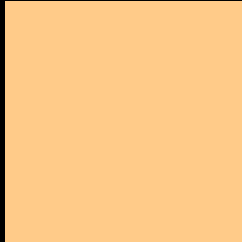
Large Text (above 18pt) WCAG AA × Fail

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 67.1113, 65.7780, 32.8262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

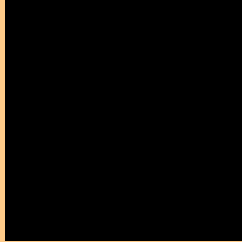
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.1113, 65.7780, 32.8262

Background



This preview shows how black text looks on a background with the XYZ color 67.1113, 65.7780, 32.8262.



This preview shows how white text looks on a background with the XYZ color 67.1113, 65.7780,

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

67.1113, 65.7780, 32.8262

Protanopia

60.9843, 65.8330, 34.6921

Deuteranopia

67.1834, 65.8069, 33.2058



Tritanopia

72.7149, 65.7960, 69.1890

Trichromacy



Original Color

67.1113, 65.7780, 32.8262

Protanomaly

63.1307, 65.8451, 34.1930

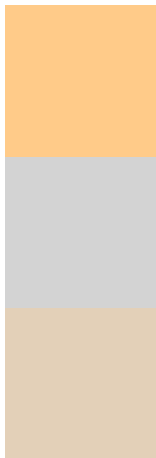
Deuteranomaly

67.1834, 65.8069, 33.2058

Tritanomaly

70.2107, 65.5257, 53.7470

Monochromacy



Original Color

67.1113, 65.7780, 32.8262

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.8862, 64.9033, 54.5605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1113, 65.7780, 32.8262 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 137) }
```

Border

The CSS property to change the border of an element to XYZ 67.1113, 65.7780, 32.8262 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, 137) }
```


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

```
.border{ border-color:rgb(255, 203, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1113, 65.7780, 32.8262 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, 137) }
```

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

```
.background{ background-color: rgb(255,  
203, 137) }
```

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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