

Converting Colors

XYZ(68.1421, 68.8108, 33.7351)

Have a look what the booklet for
XYZ(68.1421, 68.8108, 33.7351)
contains.

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Color

**XYZ(68.1421, 68.8108,
33.7351)**

Conversions

Conversions Part 1

Format	Color
Hex	FDD28A
RGB	253, 210, 138
RGB Percent	99%, 82%, 54%
CMY	0.0078, 0.1764, 0.4588
CMYK	0.00, 0.17, 0.45, 0.01
HSL	38°, 97%, 77%
HSV	38°, 45%, 99%
XYZ	68.1421, 68.8108, 33.7351
YIQ	214.6490, 48.7400, -13.2760

Conversions

Conversions Part 2

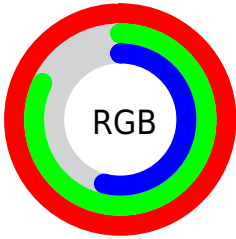
Format	Color
R _Y B	207, 253, 138
Decimal	16634506
CIE Lab	86.41, 6.08, 41.24
CIE LCh	86, 41.682, 81.614
Yxy	68.8108, 0.3992, 0.4031
Android (android.graphics.Color)	4294824586 (0xFFFD28A)
YUV	214.6490, -37.7880, 33.6338
Hunter-Lab	82.9523, 1.4644, 33.9545

Details

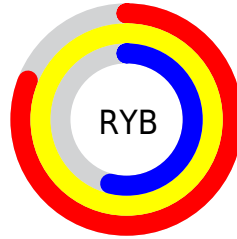
The XYZ color **68.1421, 68.8108, 33.7351** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.7342, 45.5413, 99.3611**, and the grayscale version is **64.5797, 67.9429, 73.9898**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **35.8569, 35.9344, 14.0630** is the 20% darker color. If you saturate the color by 10%, you get **64.2532, 63.6309, 24.4305**, and if you desaturate by 10%, it is **72.5990, 74.4439, 45.3352**.

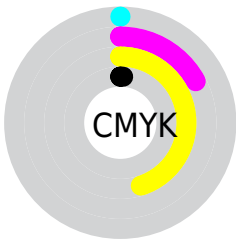
Distribution



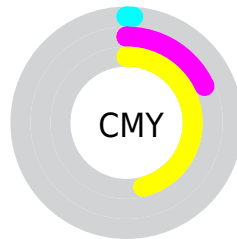
- Red (99%)
- Green (82%)
- Blue (54%)



- Red (81%)
- Yellow (99%)
- Blue (54%)



- Cyan (0%)
- Magenta (17%)
- Yellow (45%)
- Black (1%)





- Cyan (1%)
- Magenta (18%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1421, 68.8108, 33.7351 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 68.1421, 68.8108, 33.7351 by changing the saturation by 10% instead.


 68.1421, 68.8108,
33.7351

 68.1421, 68.8108,
33.7351


443.3682,
456.3634, 333.6823


 50.2874, 50.5576,
22.4145


 115.5962,
117.5113, 66.6507

 35.8606, 35.8567,
13.9605


 145.9264,
148.7274, 89.0827

 24.4961, 24.3235,
7.9548

 181.1457,
185.0333, 116.0556

 15.8288, 15.5738,
3.9787

221.6196,
226.8134, 147.9880

 9.4932, 9.2231,
1.6136

267.7135,
274.4521, 185.2983

 5.1239, 4.8870,
0.3005

319.7926,

 2.3556, 2.1811,

328.3337, 228.4050

0.0000

378.2224,
388.8427, 277.7269

■ 0.8229, 0.7097,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1421, 68.8108,
33.7351

■ 68.1421, 68.8108,
33.7351

■ 64.2532, 63.6309,
24.4305

■ 72.5990, 74.4439,
45.3352

■ 60.8950, 58.8778,
17.2583

■ 77.6484, 80.5361,
59.3706

■ 58.0326, 54.5362,
12.0400

■ 83.3192, 87.1049,
75.9744

■ 55.6240, 50.5853,
8.5663

■ 89.6366, 94.1640,
95.2692

■ 53.6176, 47.0004,
6.5781

94.3180, 99.6226,
108.8657

■ 52.8053, 45.4773,
5.9949

Harmonies

Analogous

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



77.5950, 68.8108, 40.5535



68.1421, 68.8108, 33.7351



58.8128, 68.8108, 35.6278

Triad

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



68.1421, 68.8108, 33.7351



49.6459, 68.8108, 96.2167



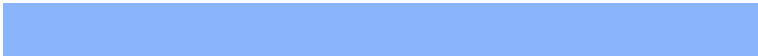
81.0264, 68.8108, 112.9375

Complementary

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



68.1421, 68.8108, 33.7351



44.7342, 45.5413, 99.3611

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.



72.4672, 68.8108, 135.8713



68.1421, 68.8108, 33.7351



54.5593, 68.8108, 124.6850

Square

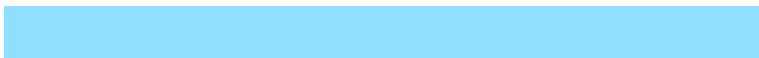
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1421, 68.8108, 33.7351



48.7324, 68.8108, 67.4480



62.7375, 68.8108, 140.6301



85.4973, 68.8108, 82.9314

Rectangle

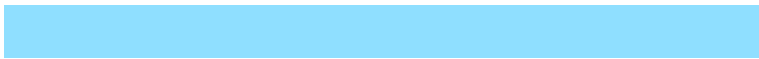
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1421, 68.8108, 33.7351



53.8540, 68.8108, 41.8427



62.7375, 68.8108, 140.6301



78.4943, 68.8108, 122.0067

Sweetspot

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



68.1438, 68.8141, 33.7365



85.7147, 89.6882, 80.0190



58.0491, 42.4411, 49.4343



18.0636, 18.8757, 16.2793



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.



68.1438, 68.8141, 33.7365



65.5736, 64.9990, 25.2343



75.5068, 90.5380, 37.5416



18.9571, 19.8824, 18.9829



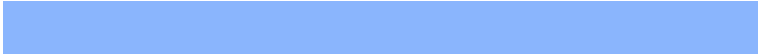
28.2351, 24.4813, 3.2372



2.8541, 2.5936, 0.3502

Inverse Universe

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



44.7342, 45.5413, 99.3611



38.9399, 38.5530, 99.9969



39.6588, 31.8889, 96.9934



17.5593, 18.4903, 22.8935



11.7168, 8.3431, 50.4274



1.2415, 1.0138, 4.9435

Previews

White Background



This preview shows how the XYZ color 68.1421, 68.8108, 33.7351 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 68.1421, 68.8108, 33.7351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

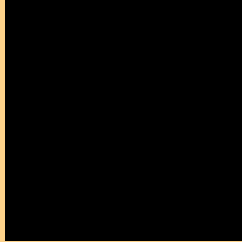
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1421, 68.8108, 33.7351

Background



This preview shows how black text looks on a background with the XYZ color 68.1421, 68.8108, 33.7351.



This preview shows how white text looks on a background with the XYZ color 68.1421, 68.8108,

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

68.1421, 68.8108, 33.7351

Protanopia

63.6245, 68.6970, 35.1058

Deuteranopia

69.5456, 68.6717, 39.7265



Tritanopia

74.9906, 68.9297, 74.3181

Trichromacy



Original Color

68.1421, 68.8108, 33.7351

Protanomaly

65.3981, 68.8638, 34.6561

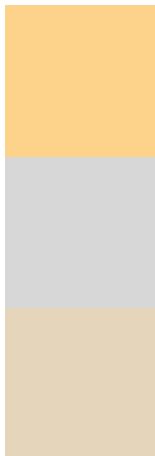
Deuteranomaly

69.0188, 68.8099, 37.6609

Tritanomaly

72.0215, 68.8443, 57.0693

Monochromacy



Original Color

68.1421, 68.8108, 33.7351

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.0770, 67.8344, 56.6771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1421, 68.8108, 33.7351 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(253, 210, 138)` looks like.

```
.text, #text, p{  
    color:rgb(253, 210, 138)  
}
```

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(253, 210, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 210, 138) }
```

Border

The CSS property to change the border of an element to XYZ 68.1421, 68.8108, 33.7351 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(253, 210, 138) }
```


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

```
.border{ border-color:rgb(253, 210, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 210, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 210, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 210, 138);  
box-shadow:4px 4px 4px 4px rgb(253, 210,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1421, 68.8108, 33.7351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 210, 138) }
```

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

```
.background{ background-color: rgb(253,  
210, 138) }
```

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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