

Converting Colors

XYZ(68.6665, 68.2780, 42.3254)

Have a look what the booklet for
XYZ(68.6665, 68.2780, 42.3254)
contains.

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Color

**XYZ(68.5975, 68.1242,
42.3347)**

Conversions

Conversions Part 1

Format	Color
Hex	FBD09F
RGB	251, 208, 159
RGB Percent	98%, 82%, 62%
CMY	0.0157, 0.1843, 0.3765
CMYK	0.00, 0.17, 0.37, 0.02
HSL	32°, 92%, 80%
HSV	32°, 37%, 98%
XYZ	68.5975, 68.1242, 42.3347
YIQ	215.2710, 41.3570, -6.1230

Conversions

Conversions Part 2

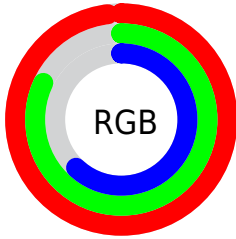
Format	Color
R _Y B	240, 251, 159
Decimal	16502943
CIE Lab	86.07, 8.55, 30.01
CIE LCh	86, 31.200, 74.101
Yxy	68.1242, 0.3831, 0.3805
Android (android.graphics.Color)	4294693023 (0xFFFB09F)
YUV	215.2710, -27.7416, 31.3343
Hunter-Lab	82.5374, 3.9124, 27.3654

Details

The XYZ color **68.5975, 68.1242, 42.3347** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.8304, 56.5750, 99.4022**, and the grayscale version is **64.9390, 68.3208, 74.4014**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **36.2018, 35.5102, 18.8560** is the 20% darker color. If you saturate the color by 10%, you get **63.8822, 61.8324, 31.0863**, and if you desaturate by 10%, it is **73.9701, 75.0223, 55.9855**.

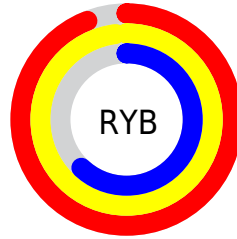
Distribution



Red (98%)

Green (82%)

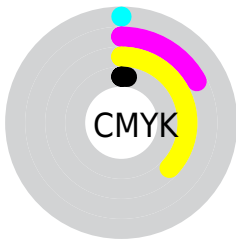
Blue (62%)



Red (94%)

Yellow (98%)

Blue (62%)

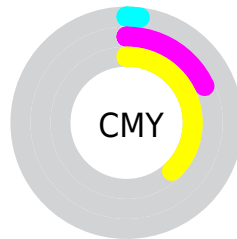


Cyan (0%)

Magenta (17%)

Yellow (37%)

Black (2%)



Cyan (2%)


Magenta (18%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5975, 68.1242, 42.3347 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 68.5975, 68.1242, 42.3347 by changing the saturation by 10% instead.


 68.5975, 68.1242,
42.3347


 68.5975, 68.1242,
42.3347


444.9537,
453.9359, 371.7090

 50.6594, 49.9988,
29.0359


 116.2437,
116.5298, 79.9815

 36.1576, 35.4124,
18.8622


 146.6826,
147.5788, 105.1666

 24.7266, 23.9807,
11.3949


182.0191,
183.7044, 135.1509

 16.0011, 15.3193,
6.2156

222.6186,
225.2911, 170.3529

 9.6158, 9.0438,
2.9057

268.8464,
272.7231, 211.1912

 5.2053, 4.7698,
1.0467

321.0680,

 2.4042, 2.1128,

326.3851, 258.0843

0.0000

379.6486,
386.6612, 311.4507

■ 0.8472, 0.6718,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5975, 68.1242,
42.3347

■ 68.5975, 68.1242,
42.3347

■ 63.8822, 61.8324,
31.0863

■ 73.9701, 75.0223,
55.9855

■ 59.7875, 56.1176,
22.0928

■ 80.0239, 82.5359,
72.1660

■ 56.2806, 50.9615,
15.1967

■ 86.7877, 90.6859,
90.9994

■ 53.3227, 46.3409,
10.2180

■ 93.5701, 99.2022,
108.8240

■ 50.8692, 42.2298,
6.9460

■ 93.5936, 99.2492,
108.8318

■ 48.8646, 38.5976,
5.1159

■ 48.2673, 37.4766,
4.6898

Harmonies

Analogous

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



75.1547, 68.1242, 49.9682



68.5975, 68.1242, 42.3347



61.4515, 68.1242, 42.1146

Triad

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



68.5975, 68.1242, 42.3347



52.2874, 68.1242, 84.2086



74.8177, 68.1242, 106.2668

Complementary

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



68.5975, 68.1242, 42.3347



52.8304, 56.5750, 99.4022

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.



68.1645, 68.1242, 119.3954



68.5975, 68.1242, 42.3347



55.3528, 68.1242, 105.1582

Square

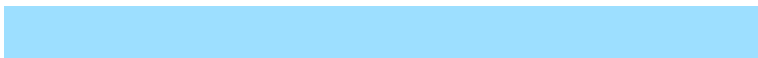
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5975, 68.1242, 42.3347



52.3845, 68.1242, 63.8845



61.0491, 68.1242, 118.9558



78.9227, 68.1242, 85.5167

Rectangle

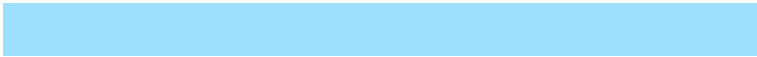
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.5975, 68.1242, 42.3347



57.3297, 68.1242, 46.0686



61.0491, 68.1242, 118.9558



72.7844, 68.1242, 111.8746

Sweetspot

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



68.5992, 68.1274, 42.3361



86.8180, 90.2429, 85.4797



63.0174, 49.6402, 63.0526



18.3791, 19.0704, 17.7296



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.



68.5992, 68.1274, 42.3361



67.4363, 65.7441, 35.0428



79.9887, 91.7231, 46.2902



18.0102, 18.7562, 18.1335



25.5186, 19.9939, 2.5142



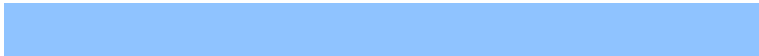
2.4696, 2.0641, 0.2682

Inverse Universe

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



52.8304, 56.5750, 99.4022



48.9108, 52.1771, 102.1011



44.4155, 39.2908, 96.5096



16.9518, 17.9803, 21.9624



12.6577, 10.6710, 49.3661



1.2773, 1.1984, 4.6072

Previews

White Background



This preview shows how the XYZ color 68.5975, 68.1242, 42.3347 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 68.5975, 68.1242, 42.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

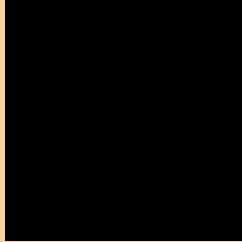
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5975, 68.1242, 42.3347

Background



This preview shows how black text looks on a background with the XYZ color 68.5975, 68.1242, 42.3347.



This preview shows how white text looks on a background with the XYZ color 68.5975, 68.1242,

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

68.5975, 68.1242, 42.3347

Protanopia

63.7770, 68.1984, 43.9846

Deuteranopia

69.8108, 68.3889, 42.3218



Tritanopia

74.5213, 67.9912, 74.1617

Trichromacy



Original Color

68.5975, 68.1242, 42.3347

Protanomaly

65.2364, 67.8373, 43.3738

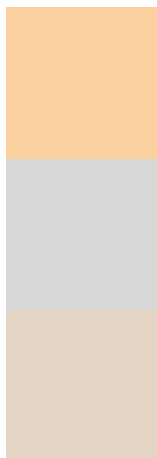
Deuteranomaly

69.4439, 68.1997, 42.3047

Tritanomaly

72.3162, 68.1967, 60.9816

Monochromacy



Original Color

68.5975, 68.1242, 42.3347

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.3887, 67.5211, 61.2163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5975, 68.1242, 42.3347 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(251, 208, 159)` looks like.

```
.text, #text, p{  
    color:rgb(251, 208, 159)  
}
```

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(251, 208, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 208, 159) }
```

Border

The CSS property to change the border of an element to XYZ 68.5975, 68.1242, 42.3347 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(251, 208, 159) }
```


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

```
.border{ border-color:rgb(251, 208, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 208, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 208, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 208, 159);  
box-shadow:4px 4px 4px 4px rgb(251, 208,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5975, 68.1242, 42.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 208, 159) }
```

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

```
.background{ background-color: rgb(251,  
208, 159) }
```

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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