

Converting Colors

XYZ(68.4828, 72.2760, 47.3376)

Have a look what the booklet for
XYZ(68.4828, 72.2760, 47.3376)
contains.

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Color

**XYZ(68.3346, 72.0155,
47.3445)**

Conversions

Conversions Part 1

Format	Color
Hex	F0DBA8
RGB	240, 219, 168
RGB Percent	94%, 86%, 66%
CMY	0.0588, 0.1412, 0.3412
CMYK	0.00, 0.09, 0.30, 0.06
HSL	43°, 71%, 80%
HSV	43°, 30%, 94%
XYZ	68.3346, 72.0155, 47.3445
YIQ	219.4650, 28.8870, -11.4090

Conversions

Conversions Part 2

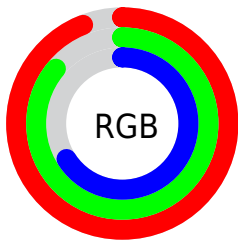
Format	Color
RYB	198, 240, 168
Decimal	15784872
CIELab	87.98, -0.25, 27.75
CIELCh	88, 27.751, 90.514
Yxy	72.0155, 0.3641, 0.3837
Android (android.graphics.Color)	4293974952 (0xFFFF0DBA8)
YUV	219.4650, -25.3722, 18.0092
Hunter-Lab	84.8619, -4.7723, 26.3255

Details

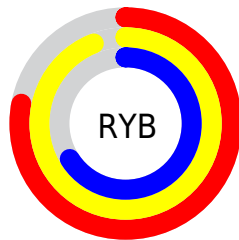
The XYZ color **68.3346, 72.0155, 47.3445** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.0738, 51.0098, 89.6450**, and the grayscale version is **67.8133, 71.3449, 77.6946**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **35.9563, 37.8792, 21.9393** is the 20% darker color. If you saturate the color by 10%, you get **64.5149, 67.6299, 36.0399**, and if you desaturate by 10%, it is **72.6474, 76.7262, 60.8510**.

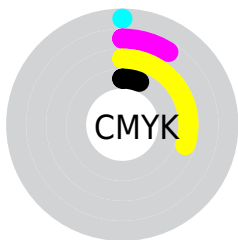
Distribution



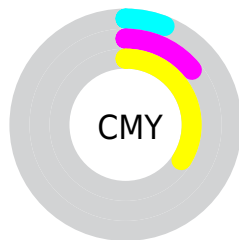
- Red (94%)
- Green (86%)
- Blue (66%)



- Red (78%)
- Yellow (94%)
- Blue (66%)



- Cyan (0%)
- Magenta (9%)
- Yellow (30%)
- Black (6%)





- Cyan (6%)
- Magenta (14%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3346, 72.0155, 47.3445 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 68.3346, 72.0155, 47.3445 by changing the saturation by 10% instead.


 68.3346, 72.0155,
47.3445


 68.3346, 72.0155,
47.3445


444.0388,
467.5955, 392.6215

 50.4447, 53.1713,
32.9518


 115.8700,
122.0786, 87.5830

 35.9861, 37.9396,
21.8187


 146.2461,
154.0663, 114.2658

 24.5935, 25.9358,
13.5267


181.5150,
191.2039, 145.8825

 15.9016, 16.7756,
7.6573

222.0421,
233.8759, 182.8514

 9.5449, 10.0746,
3.7918

268.1926,
282.4667, 225.5913

 5.1582, 5.4485,
1.5118

320.3320,

 2.3761, 2.5127,

337.3607, 274.5205

0.2267

378.8256,
398.9421, 330.0578

■ 0.8332, 0.8830,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.3346, 72.0155,
47.3445

■ 68.3346, 72.0155,
47.3445

■ 64.5149, 67.6299,
36.0399

■ 72.6474, 76.7262,
60.8510

■ 61.1592, 63.5487,
26.8126

■ 77.4698, 81.7625,
76.6657

■ 58.2434, 59.7633,
19.5325

■ 82.8240, 87.1373,
94.8935

■ 55.7387, 56.2607,
14.0528

■ 87.2457, 92.2662,
107.8186

■ 53.6125, 53.0260,
10.2059

■ 89.4262, 96.6271,
108.5454

■ 51.8257, 50.0423,
7.7919

■ 89.7453, 97.2653,
108.6517

■ 50.3135, 47.2818,
6.4745

■ 50.3134, 47.2816,
6.4745

Harmonies

Analogous

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



74.8999, 72.0155, 50.7935



68.3346, 72.0155, 47.3445



62.1933, 72.0155, 51.0383

Triad

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



68.3346, 72.0155, 47.3445



58.0683, 72.0155, 98.3939



80.1242, 72.0155, 97.7373

Complementary

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



68.3346, 72.0155, 47.3445



50.0738, 51.0098, 89.6450

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.



75.1098, 72.0155, 114.1548



68.3346, 72.0155, 47.3445



62.3788, 72.0155, 114.5748

Square

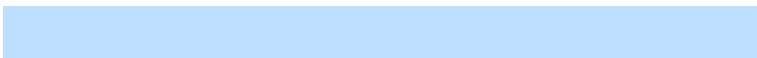
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.3346, 72.0155, 47.3445



56.5049, 72.0155, 78.7397



68.5627, 72.0155, 120.7543



81.9668, 72.0155, 78.0865

Rectangle

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



68.3346, 72.0155, 47.3445



59.0967, 72.0155, 57.4610



68.5627, 72.0155, 120.7543



78.7384, 72.0155, 103.9232

Sweetspot

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



68.3364, 72.0188, 47.3460



89.4748, 94.4134, 89.8890



59.1890, 50.2316, 55.0631



18.9685, 20.0215, 18.6281



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.



68.3364, 72.0188, 47.3460



75.6761, 79.5260, 46.1059



69.4671, 81.2518, 49.0686



16.7110, 17.6350, 16.6729



27.6626, 26.1233, 3.5843



2.3866, 2.3439, 0.3266

Inverse Universe

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



50.0738, 51.0098, 89.6450



51.6018, 51.8407, 101.8943



49.1176, 44.2913, 88.3986



15.2728, 15.9797, 20.0010



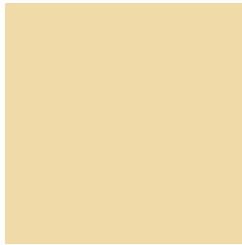
9.9075, 6.0393, 45.7714



0.9069, 0.6678, 3.8353

Previews

White Background



This preview shows how the XYZ color 68.3346, 72.0155, 47.3445 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 68.3346, 72.0155, 47.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

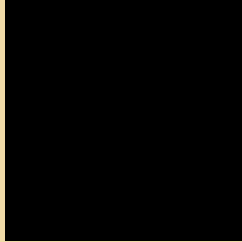
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

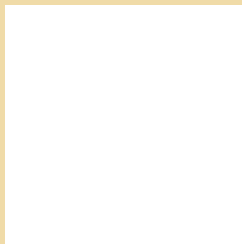
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3346, 72.0155, 47.3445

Background



This preview shows how black text looks on a background with the XYZ color 68.3346, 72.0155, 47.3445.

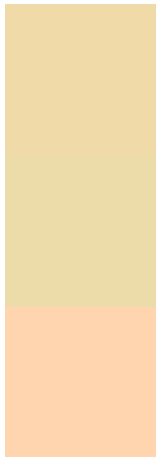


This preview shows how white text looks on a background with the XYZ color 68.3346, 72.0155,

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

68.3346, 72.0155, 47.3445

Protanopia

67.3467, 71.8838, 47.8615

Deuteranopia

72.8707, 71.9831, 51.1277



Tritanopia

75.6556, 71.9641, 83.3018

Trichromacy



Original Color

68.3346, 72.0155, 47.3445

Protanomaly

67.6797, 72.0555, 47.8771

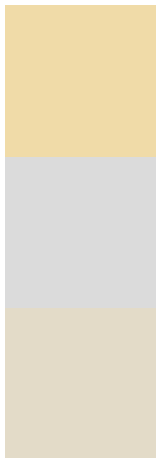
Deuteranomaly

71.2676, 71.9420, 49.6652

Tritanomaly

72.4954, 71.7825, 68.4270

Monochromacy



Original Color

68.3346, 72.0155, 47.3445

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.4354, 71.1641, 64.8254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3346, 72.0155, 47.3445 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(240, 219, 168)` looks like.

```
.text, #text, p{  
    color:rgb(240, 219, 168)  
}
```

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(240, 219, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 219, 168) }
```

Border

The CSS property to change the border of an element to XYZ 68.3346, 72.0155, 47.3445 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(240, 219, 168) }
```


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

```
.border{ border-color:rgb(240, 219, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 219, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 219, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 219, 168);  
box-shadow:4px 4px 4px 4px rgb(240, 219,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3346, 72.0155, 47.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 219, 168) }
```

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

```
.background{ background-color: rgb(240,  
219, 168) }
```

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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