

Converting Colors

XYZ(64.4384, 63.0602, 46.3186)

Have a look what the booklet for
XYZ(64.4384, 63.0602, 46.3186)
contains.

XYZ(64.4337, 63.0504, 46.3100)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.4337, 63.0504,
46.3100)**

Conversions

Conversions Part 1

Format	Color
Hex	F2C8A9
RGB	242, 200, 169
RGB Percent	95%, 78%, 66%
CMY	0.0510, 0.2157, 0.3372
CMYK	0.00, 0.17, 0.30, 0.05
HSL	25°, 74%, 81%
HSV	25°, 30%, 95%
XYZ	64.4337, 63.0504, 46.3100
YIQ	209.0240, 34.9830, -0.7370

Conversions

Conversions Part 2

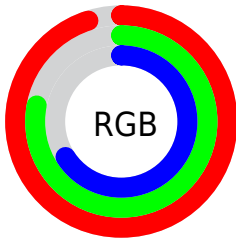
Format	Color
R _Y B	242, 223, 169
Decimal	15911081
CIE Lab	83.47, 10.49, 21.09
CIE LCh	83, 23.555, 63.561
Yxy	63.0504, 0.3707, 0.3628
Android (android.graphics.Color)	4294101161 (0xFFFF2C8A9)
YUV	209.0240, -19.7318, 28.9200
Hunter-Lab	79.4043, 5.8888, 21.0040

Details

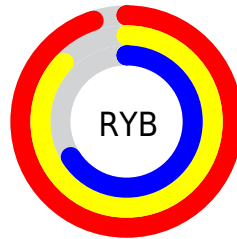
The XYZ color **64.4337, 63.0504, 46.3100** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.6828, 61.4325, 92.9275**, and the grayscale version is **60.7301, 63.8928, 69.5793**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **33.4974, 32.1564, 21.2709** is the 20% darker color. If you saturate the color by 10%, you get **59.2903, 56.0689, 34.4053**, and if you desaturate by 10%, it is **70.2945, 70.7931, 60.5296**.

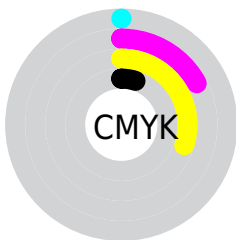
Distribution



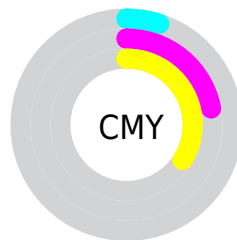
- Red (95%)
- Green (78%)
- Blue (66%)



- Red (95%)
- Yellow (87%)
- Blue (66%)



- Cyan (0%)
- Magenta (17%)
- Yellow (30%)
- Black (5%)




- Cyan (5%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4337, 63.0504, 46.3100 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 64.4337, 63.0504, 46.3100 by changing the saturation by 10% instead.


 64.4337, 63.0504,
46.3100


 64.4337, 63.0504,
46.3100


430.3316,
435.7524, 388.3673

 47.2650, 45.8820,
32.1401


 110.3055,
109.2422, 86.0219

 33.4540, 32.1527,
21.2028


 139.7394,
139.0344, 112.4010

 22.6354, 21.4782,
13.0797


173.9924,
173.8033, 143.6869

 14.4437, 13.4740,
7.3520

213.4299,
213.9333, 180.2981

 8.5137, 7.7557,
3.6015

258.4172,
259.8089, 222.6532

 4.4799, 3.9390,
1.4094

309.3197,

 1.9771, 1.6395,

311.8143, 271.1708

0.1490

366.5027,
370.3340, 326.2693

■ 0.6210, 0.3840,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.4337, 63.0504,
46.3100

■ 64.4337, 63.0504,
46.3100

■ 59.2903, 56.0689,
34.4053

■ 70.2945, 70.7931,
60.5296

■ 54.8284, 49.8151,
24.6868

■ 76.8968, 79.3120,
77.1757

■ 51.0160, 44.2653,
17.0187

■ 84.2693, 88.6322,
96.3573

■ 47.8161, 39.3913,
11.2485

■ 90.4281, 97.6173,
108.6837

■ 45.1873, 35.1620,
7.2018

■ 43.0813, 31.5433,
4.6712

■ 41.4469, 28.5349,
3.3233

Harmonies

Analogous

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



68.5406, 63.0504, 54.1708



64.4337, 63.0504, 46.3100



59.3162, 63.0504, 44.1120

Triad

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



64.4337, 63.0504, 46.3100



50.6002, 63.0504, 70.4230



65.5552, 63.0504, 95.0235

Complementary

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



64.4337, 63.0504, 46.3100



55.6828, 61.4325, 92.9275

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.



60.5430, 63.0504, 100.9306



64.4337, 63.0504, 46.3100



52.0680, 63.0504, 85.5062

Square

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



64.4337, 63.0504, 46.3100



51.5115, 63.0504, 56.8109



55.6365, 63.0504, 97.2222



69.2136, 63.0504, 82.0319

Rectangle

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



64.4337, 63.0504, 46.3100



56.0655, 63.0504, 45.8496



55.6365, 63.0504, 97.2222



63.9629, 63.0504, 97.9815

Sweetspot

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



64.4353, 63.0533, 46.3113



87.5045, 90.4728, 89.2322



62.6376, 51.9863, 68.7457



18.4828, 19.0502, 18.4663



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.



64.4353, 63.0533, 46.3113



69.0339, 66.2418, 43.8918



73.7512, 81.6851, 49.4166



16.3247, 16.8625, 16.5441



22.3944, 15.5869, 1.8283



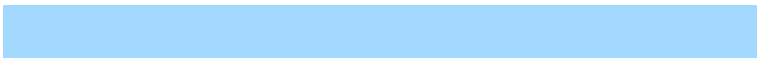
1.9596, 1.4898, 0.1843

Inverse Universe

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



55.6828, 61.4325, 92.9275



57.7537, 64.1446, 103.9449



47.7361, 45.5390, 90.2786



15.6524, 16.7388, 20.1276



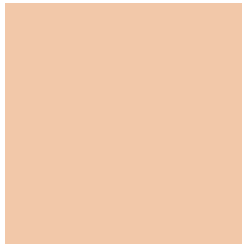
13.7248, 13.6739, 47.0438



1.2401, 1.3343, 3.9464

Previews

White Background



This preview shows how the XYZ color 64.4337, 63.0504, 46.3100 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 64.4337, 63.0504, 46.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

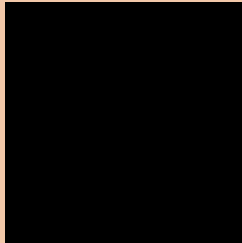
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4337, 63.0504, 46.3100

Background



This preview shows how black text looks on a background with the XYZ color 64.4337, 63.0504, 46.3100.



This preview shows how white text looks on a background with the XYZ color 64.4337, 63.0504,

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

64.4337, 63.0504, 46.3100

Protanopia

59.6139, 63.3445, 48.6199

Deuteranopia

64.4337, 63.0504, 46.3100



Tritanopia

68.8064, 62.7799, 68.8128

Trichromacy



Original Color

64.4337, 63.0504, 46.3100

Protanomaly

61.2726, 63.1352, 47.9866

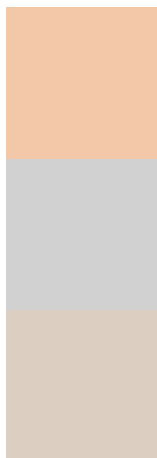
Deuteranomaly

64.4337, 63.0504, 46.3100

Tritanomaly

67.1337, 62.7874, 59.6198

Monochromacy



Original Color

64.4337, 63.0504, 46.3100

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

61.6277, 63.4098, 60.0301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4337, 63.0504, 46.3100 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(242, 200, 169)` looks like.

```
.text, #text, p{  
    color:rgb(242, 200, 169)  
}
```

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(242, 200, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 200, 169) }
```

Border

The CSS property to change the border of an element to XYZ 64.4337, 63.0504, 46.3100 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(242, 200, 169) }
```


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

```
.border{ border-color:rgb(242, 200, 169) }
```

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

Here you see how a box with a 4 pixel rgb(242, 200, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 200, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 200, 169);  
box-shadow:4px 4px 4px 4px rgb(242, 200,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4337, 63.0504, 46.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 200, 169) }
```

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

```
.background{ background-color: rgb(242,  
200, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor