

Converting Colors

XYZ(67.4021, 63.6221, 41.3625)

Have a look what the booklet for
XYZ(67.4021, 63.6221, 41.3625)
contains.

XYZ(67.4643, 63.6957, 41.5396)	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(67.4643, 63.6957,
41.5396)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC59F
RGB	255, 197, 159
RGB Percent	100%, 77%, 62%
CMY	0.0000, 0.2274, 0.3765
CMYK	0.00, 0.23, 0.38, 0.00
HSL	24°, 100%, 81%
HSV	24°, 38%, 100%
XYZ	67.4643, 63.6957, 41.5396
YIQ	210.0100, 46.7660, 0.4780

Conversions

Conversions Part 2

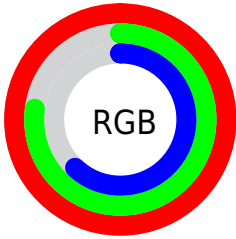
Format	Color
R_{YB}	255, 222, 159
Decimal	16762271
CIE _{Lab}	83.81, 15.81, 27.03
CIE _{LCh}	84, 31.312, 59.672
Yxy	63.6957, 0.3906, 0.3688
Android (android.graphics.Color)	4294952351 (0xFFFFC59F)
YUV	210.0100, -25.1479, 39.4562
Hunter-Lab	79.8096, 11.2221, 25.0072

Details

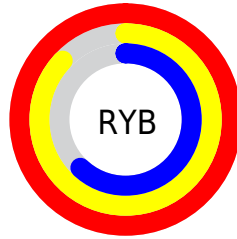
The XYZ color **67.4643, 63.6957, 41.5396** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.1600, 64.2143, 103.9897**, and the grayscale version is **61.4049, 64.6027, 70.3524**.

A 20% lighter version of the original color is **88.8194, 96.9987, 77.6597**, and **35.5023, 32.5768, 18.3267** is the 20% darker color. If you saturate the color by 10%, you get **62.1549, 56.2603, 29.9559**, and if you desaturate by 10%, it is **73.5908, 72.0346, 55.6490**.

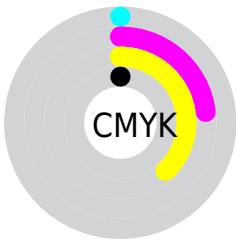
Distribution



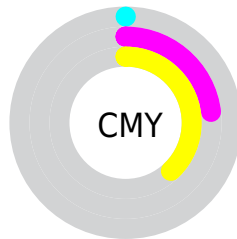
- Red (100%)
- Green (77%)
- Blue (62%)



- Red (100%)
- Yellow (87%)
- Blue (62%)



- Cyan (0%)
- Magenta (23%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4643, 63.6957, 41.5396 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 67.4643, 63.6957, 41.5396 by changing the saturation by 10% instead.


 67.4643, 63.6957,
41.5396


 67.4643, 63.6957,
41.5396


441.0022,
438.0899, 368.3140

 49.7341, 46.4043,
28.4181


 114.6316,
110.1726, 78.7649

 35.4191, 32.5649,
18.3993


 144.7994,
140.1268, 103.7058

 24.1539, 21.7934,
11.0646


179.8438,
175.0707, 133.4235

 15.5732, 13.7052,
5.9956

220.1302,
215.3888, 168.3366

 9.3116, 7.9159,
2.7737

266.0238,
261.4653, 208.8637

 5.0037, 4.0412,
0.9803

317.8902,

 2.2842, 1.6966,

313.6848, 255.4233

0.0000

376.0945,
372.4315, 308.4339

0.7866, 0.4215,
0.0000

0.0000, 0.0000,
0.0000

67.4643, 63.6957,
41.5396

67.4643, 63.6957,
41.5396

62.1549, 56.2603,
29.9559

73.5908, 72.0346,
55.6490

57.6189, 49.6868,
20.7415

80.5659, 81.2989,
72.4198

53.8153, 43.9432,
13.7286

88.4247, 91.5207,
91.9826

50.6967, 38.9916,
8.7252

95.0500, 100.0000,
108.9000

■ 48.2083, 34.7903,
5.5056

■ 46.2815, 31.2905,
3.7727

■ 45.8890, 30.5580,
3.4797

Harmonies

Analogous

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



72.7684, 63.6957, 52.2499



67.4643, 63.6957, 41.5396



60.6166, 63.6957, 37.9662

Triad

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



67.4643, 63.6957, 41.5396



48.2606, 63.6957, 69.1371



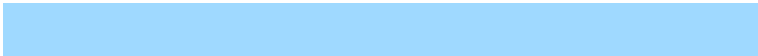
67.3234, 63.6957, 107.7233

Complementary

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



67.4643, 63.6957, 41.5396



57.1600, 64.2143, 103.9897

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.



60.4651, 63.6957, 114.5186



67.4643, 63.6957, 41.5396



49.7660, 63.6957, 89.8339

Square

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



67.4643, 63.6957, 41.5396



49.8325, 63.6957, 51.9395



54.1081, 63.6957, 107.4326



72.6828, 63.6957, 90.2811

Rectangle

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



67.4643, 63.6957, 41.5396



56.1990, 63.6957, 39.4637



54.1081, 63.6957, 107.4326



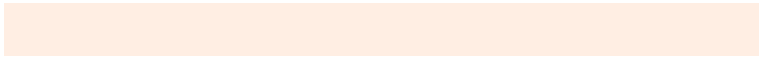
65.1008, 63.6957, 111.4602

Sweetspot

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



67.4659, 63.6987, 41.5409



85.6887, 87.9842, 85.1032



66.3196, 51.1293, 72.8409



18.1103, 18.5329, 17.6400



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.



67.4659, 63.6987, 41.5409



63.4833, 58.1433, 32.7845



79.7887, 88.3444, 45.6485



18.5994, 19.1669, 18.8636



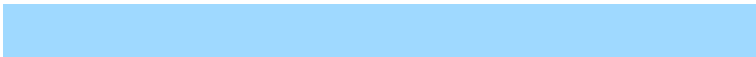
24.1136, 16.2384, 1.8634



2.4509, 1.7871, 0.2158

Inverse Universe

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



57.1600, 64.2143, 103.9897



51.8484, 58.6991, 103.2051



46.7609, 43.4161, 100.5233



17.9161, 19.2037, 23.0124



15.6236, 16.1567, 51.7297



1.6279, 1.7865, 5.0723

Previews

White Background



This preview shows how the XYZ color 67.4643, 63.6957, 41.5396 looks on a white background.

Color Contrast Check

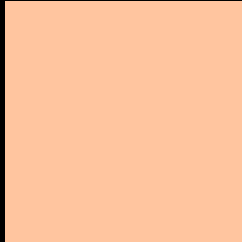
Large Text (above 18pt) WCAG AA × Fail

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 67.4643, 63.6957, 41.5396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

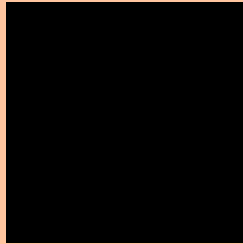
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4643, 63.6957, 41.5396

Background



This preview shows how black text looks on a background with the XYZ color 67.4643, 63.6957, 41.5396.



This preview shows how white text looks on a background with the XYZ color 67.4643, 63.6957,

41.5396.

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

67.4643, 63.6957, 41.5396

Protanopia

59.9327, 63.9692, 44.3105

Deuteranopia

65.0642, 63.8347, 41.2398



Tritanopia

71.4505, 63.8562, 66.9521

Trichromacy



Original Color

67.4643, 63.6957, 41.5396

Protanomaly

62.6139, 63.9334, 43.2227

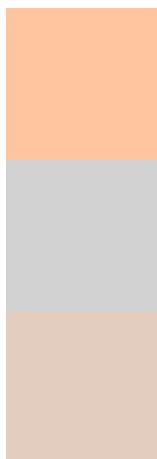
Deuteranomaly

65.8928, 63.9169, 41.2120

Tritanomaly

69.7171, 63.5177, 56.7298

Monochromacy



Original Color

67.4643, 63.6957, 41.5396

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.5993, 63.5930, 58.2655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4643, 63.6957, 41.5396 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, 197, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 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(255, 197, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 159) }
```

Border

The CSS property to change the border of an element to XYZ 67.4643, 63.6957, 41.5396 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, 197, 159) }
```


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

```
.border{ border-color:rgb(255, 197, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4643, 63.6957, 41.5396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 159) }
```

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

```
.background{ background-color: rgb(255,  
197, 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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