

# Converting Colors

XYZ(43.5470, 34.7019, 21.1831)

Have a look what the booklet for  
XYZ(43.5470, 34.7019, 21.1831)  
contains.

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# Color

**XYZ(43.7309, 34.8285,  
21.2473)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E48675
RGB	228, 134, 117
RGB Percent	89%, 53%, 46%
CMY	0.1059, 0.4745, 0.5412
CMYK	0.00, 0.41, 0.49, 0.11
HSL	9°, 67%, 68%
HSV	9°, 49%, 89%
XYZ	43.7309, 34.8285, 21.2473
YIQ	160.1680, 61.4810, 14.6410

# Conversions

## Conversions Part 2

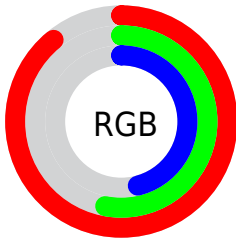
Format	Color
R <sub>Y</sub> B	228, 137, 117
Decimal	14976629
CIE Lab	65.61, 34.21, 24.71
CIE LCh	66, 42.202, 35.840
Yxy	34.8285, 0.4382, 0.3490
Android (android.graphics.Color)	4293166709 (0xFFE48675)
YUV	160.1680, -21.2818, 59.4887
Hunter-Lab	59.0157, 28.9919, 19.9649

# Details

The XYZ color **43.7309, 34.8285, 21.2473** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **44.6328, 55.9693, 81.8494**, and the grayscale version is **33.5672, 35.3153, 38.4584**.

A 20% lighter version of the original color is **66.3847, 60.0910, 45.6360**, and **20.5296, 15.0512, 7.4534** is the 20% darker color. If you saturate the color by 10%, you get **40.1208, 29.4987, 14.2163**, and if you desaturate by 10%, it is **48.1564, 41.2667, 30.1613**.

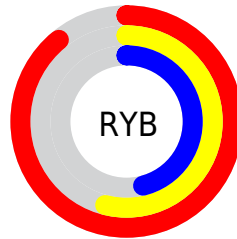
# Distribution



Red (89%)

Green (53%)

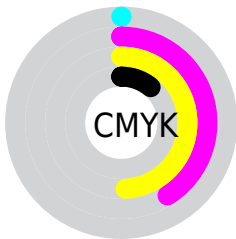
Blue (46%)



Red (89%)

Yellow (54%)

Blue (46%)

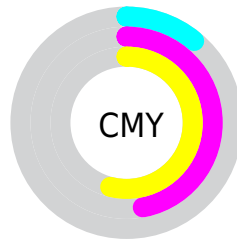


Cyan (0%)

Magenta (41%)

Yellow (49%)

Black (11%)



Cyan (11%)

Magenta (47%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7309, 34.8285, 21.2473 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 43.7309, 34.8285, 21.2473 by changing the saturation by 10% instead.





 43.7309, 34.8285,  
21.2473


 43.7309, 34.8285,  
21.2473


352.4798,  
323.8107, 271.4139

 30.6560, 23.5308,  
13.1119

 80.0615, 67.2200,  
46.3849

 20.4876, 14.9859,  
7.3740


 104.0480, 89.0826,  
64.2241

 12.8603, 8.8095,  
3.6151


 132.4023,  
115.2356, 86.1350

 7.4087, 4.6171,  
1.4167

165.4899,  
146.0634, 112.5362

 3.7676, 2.0244,  
0.1547

203.6761,  
181.9504, 143.8461

 1.5715, 0.6216,  
0.0000

247.3262,

 0.3737, 0.0000,

223.2811, 180.4834

0.0000

296.8057,  
270.4397, 222.8665

■ 0.0000, 0.0000,  
0.0000

■ 43.7309, 34.8285,  
21.2473

■ 43.7309, 34.8285,  
21.2473

■ 40.1208, 29.4987,  
14.2163

■ 48.1564, 41.2667,  
30.1613

■ 37.2727, 25.2093,  
8.9304

■ 53.4409, 48.8657,  
41.0786

■ 35.1312, 21.8930,  
5.2359

■ 59.6279, 57.6810,  
54.1120

■ 33.6313, 19.4720,  
2.9516

■ 66.7573, 67.7629,  
69.3653

■ 32.6876, 17.8532,  
1.8094

■ 74.8665, 79.1589,  
86.9353

■ 32.5938, 17.6919,  
1.6970

■ 83.9908, 91.9139,  
106.9133

■ 85.8049, 95.2340,  
108.4673

# Harmonies

## Analogous

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



46.4258, 34.8285, 34.5555



43.7309, 34.8285, 21.2473



38.2228, 34.8285, 14.5330

# Triad

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



43.7309, 34.8285, 21.2473



23.3798, 34.8285, 25.6016



34.3305, 34.8285, 82.9987

# Complementary

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



43.7309, 34.8285, 21.2473



44.6328, 55.9693, 81.8494

# 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.



28.4629, 34.8285, 78.3488



43.7309, 34.8285, 21.2473



22.6098, 34.8285, 41.5010

# Square

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



43.7309, 34.8285, 21.2473



26.6063, 34.8285, 16.4427



24.3544, 34.8285, 61.6137



40.5806, 34.8285, 72.8511



# Rectangle

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



43.7309, 34.8285, 21.2473



33.9752, 34.8285, 13.0566



24.3544, 34.8285, 61.6137



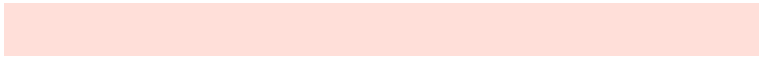
32.2467, 34.8285, 83.1458

# Sweetspot

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



43.7318, 34.8303, 21.2480



80.0155, 78.8239, 76.4725



50.1581, 33.9375, 65.7653



16.7233, 16.3003, 15.5085



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.



43.7318, 34.8303, 21.2480



51.8497, 38.2248, 18.5829



53.4357, 54.2382, 24.4826



14.5543, 14.7226, 14.9791



18.8750, 10.3241, 0.9979



1.4500, 0.8734, 0.0922

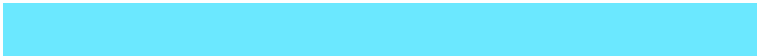


# Inverse Universe

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



44.6328, 55.9693, 81.8494



53.0783, 68.2576, 104.9853



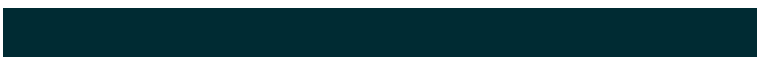
33.2032, 33.1102, 78.0396



14.6095, 15.9404, 18.4511



19.1775, 25.4171, 46.2784



1.4682, 1.9804, 3.4368



# Previews

## White Background



This preview shows how the XYZ color 43.7309, 34.8285, 21.2473 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

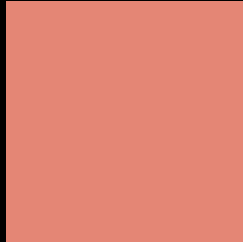
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7309, 34.8285, 21.2473 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

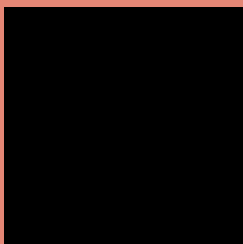
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.7309, 34.8285, 21.2473**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7309, 34.8285, 21.2473.



This preview shows how white text looks on a background with the XYZ color 43.7309, 34.8285,



# 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

43.7309, 34.8285, 21.2473

### Protanopia

33.1108, 35.2726, 25.8321

### Deuteranopia

35.6637, 34.9445, 20.7849



## Tritanopia

45.4831, 34.9490, 29.1596

# Trichromacy



**Original Color**

43.7309, 34.8285, 21.2473

**Protanomaly**

36.2541, 34.6903, 24.1871

**Deuteranomaly**

38.2752, 34.6329, 20.8872

**Tritanomaly**

44.7292, 34.8265, 26.1945

# Monochromacy



**Original Color**

43.7309, 34.8285, 21.2473

**Achromatopsia**

33.4132, 35.1533, 38.2819

**Achromatomaly**

36.1082, 34.4611, 31.1341

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7309, 34.8285, 21.2473 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(228, 134, 117)` looks like.

```
.text, #text, p{  
    color:rgb(228, 134, 117)  
}
```

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(228, 134, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 134, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7309, 34.8285, 21.2473 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(228, 134, 117) }
```



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

```
.border{ border-color:rgb(228, 134, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 134, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 134, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 134, 117);  
box-shadow:4px 4px 4px 4px rgb(228, 134,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7309, 34.8285, 21.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 134, 117) }
```

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

```
.background{ background-color: rgb(228,  
134, 117) }
```

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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