

# Converting Colors

XYZ(43.7166, 33.2141, 19.7272)

Have a look what the booklet for  
XYZ(43.7166, 33.2141, 19.7272)  
contains.

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# Color

**XYZ(43.7202, 33.2698,  
19.7402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E87E71
RGB	232, 126, 113
RGB Percent	91%, 49%, 44%
CMY	0.0902, 0.5059, 0.5569
CMYK	0.00, 0.46, 0.51, 0.09
HSL	7°, 72%, 68%
HSV	7°, 51%, 91%
XYZ	43.7202, 33.2698, 19.7402
YIQ	156.2120, 67.3490, 18.4290

# Conversions

## Conversions Part 2

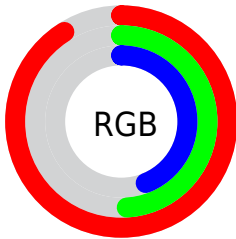
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 128, 113
Decimal	15236721
CIE <sub>Lab</sub>	64.38, 39.51, 25.39
CIE <sub>LCh</sub>	64, 46.962, 32.726
Yxy	33.2698, 0.4520, 0.3439
Android (android.graphics.Color)	4293426801 (0xFFE87E71)
YUV	156.2120, -21.3035, 66.4661
Hunter-Lab	57.6800, 34.3592, 20.0848

# Details

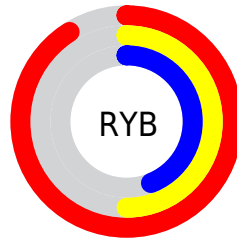
The XYZ color **43.7202, 33.2698, 19.7402** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **46.7055, 59.9967, 85.4625**, and the grayscale version is **31.7667, 33.4210, 36.3955**.

A 20% lighter version of the original color is **64.3528, 56.6191, 43.1341**, and **20.4162, 14.0499, 6.6369** is the 20% darker color. If you saturate the color by 10%, you get **40.2021, 28.0636, 12.9265**, and if you desaturate by 10%, it is **48.1195, 39.7044, 28.4951**.

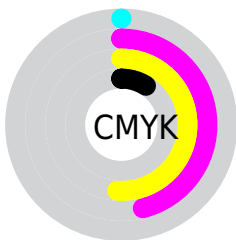
# Distribution



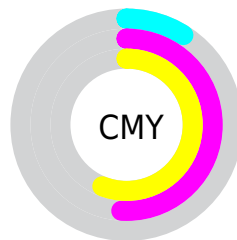
- Red (91%)
- Green (49%)
- Blue (44%)



- Red (91%)
- Yellow (50%)
- Blue (44%)



- Cyan (0%)
- Magenta (46%)
- Yellow (51%)
- Black (9%)




- Cyan (9%)
- Magenta (51%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7202, 33.2698, 19.7402 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 43.7202, 33.2698, 19.7402 by changing the saturation by 10% instead.





 43.7202, 33.2698,  
19.7402


 43.7202, 33.2698,  
19.7402

352.4368,  
316.8637, 263.0627


 30.6476, 22.3332,  
12.0241


 80.0455, 64.7965,  
43.8344


 20.4811, 14.1019,  
6.6374


 104.0289, 86.1554,  
61.0496

 12.8556, 8.1916,  
3.1614


 132.3799,  
111.7573, 82.2683

 7.4055, 4.2178,  
1.1776

 165.4639,  
141.9864, 107.9090

 3.7655, 1.7961,  
0.0000

203.6462,  
177.2272, 138.3903

 1.5704, 0.4848,  
0.0000

247.2922,

 0.3730, 0.0000,

217.8641, 174.1306

0.0000

296.7673,  
264.2815, 215.5486

■ 0.0000, 0.0000,  
0.0000

■ 43.7202, 33.2698,  
19.7402

■ 43.7202, 33.2698,  
19.7402

■ 40.2021, 28.0636,  
12.9265

■ 48.1195, 39.7044,  
28.4951

■ 37.5030, 24.0027,  
7.9040

■ 53.4517, 47.4335,  
39.3220

■ 35.5562, 21.0015,  
4.5040

■ 59.7675, 56.5245,  
52.3425

■ 34.2833, 18.9603,  
2.5240

■ 67.1132, 67.0387,  
67.6683

■ 33.6339, 17.8663,  
1.6758

■ 75.5319, 79.0336,  
85.4034

■ 85.0645, 92.5636,  
105.6456

■ 87.0886, 95.8957,  
108.5274

# Harmonies

## Analogous

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



46.2839, 33.2698, 34.5016



43.7202, 33.2698, 19.7402



37.8881, 33.2698, 12.3615

# Triad

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



43.7202, 33.2698, 19.7402



21.5142, 33.2698, 21.8343



32.2375, 33.2698, 86.8670

# Complementary

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



43.7202, 33.2698, 19.7402



46.7055, 59.9967, 85.4625

# 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.



26.0879, 33.2698, 79.8072



43.7202, 33.2698, 19.7402



20.4381, 33.2698, 38.0052

# Square

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



43.7202, 33.2698, 19.7402



25.1670, 33.2698, 13.2367



21.9909, 33.2698, 60.0052



39.0957, 33.2698, 76.8780



# Rectangle

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



43.7202, 33.2698, 19.7402



33.2781, 33.2698, 10.5981



21.9909, 33.2698, 60.0052



30.0217, 33.2698, 86.4116

# Sweetspot

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



43.7210, 33.2715, 19.7408



79.5700, 77.9330, 76.3241



52.1153, 34.1388, 71.6221



16.6176, 16.0888, 15.4733



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.



43.7210, 33.2715, 19.7408



49.4306, 34.1964, 15.2801



53.4830, 52.7955, 22.9948



14.5032, 14.6202, 14.9620



18.7166, 10.0074, 0.9451



1.4257, 0.8248, 0.0841



# Inverse Universe

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



46.7055, 59.9967, 85.4625



53.4623, 70.7423, 105.4446



34.0508, 34.6873, 81.2442



14.6659, 16.0531, 18.4699



20.4828, 28.0276, 46.7135



1.5523, 2.1485, 3.4648



# Previews

## White Background



This preview shows how the XYZ color 43.7202, 33.2698, 19.7402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

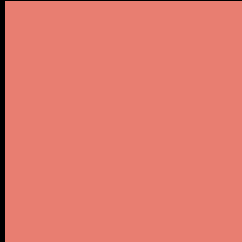
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7202, 33.2698, 19.7402 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 43.7202, 33.2698, 19.7402**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7202, 33.2698, 19.7402.



This preview shows how white text looks on a background with the XYZ color 43.7202, 33.2698,



# 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

43.7202, 33.2698, 19.7402

### Protanopia

31.4451, 33.4162, 24.8713

### Deuteranopia

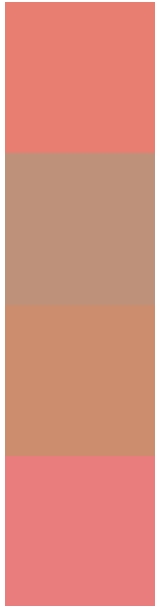
34.1602, 33.4816, 19.1302



## Tritanopia

44.8521, 33.1555, 25.8655

# Trichromacy



**Original Color**

43.7202, 33.2698, 19.7402

**Protanomaly**

34.8735, 32.6031, 22.8673

**Deuteranomaly**

36.9680, 32.8721, 19.1484

**Tritanomaly**

44.5136, 33.2196, 23.4679

# Monochromacy



**Original Color**

43.7202, 33.2698, 19.7402

**Achromatopsia**

31.5995, 33.2452, 36.2040

**Achromatomaly**

34.6262, 32.3346, 29.2271

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7202, 33.2698, 19.7402 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(232, 126, 113)` looks like.

```
.text, #text, p{  
    color:rgb(232, 126, 113)  
}
```

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(232, 126, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 126, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7202, 33.2698, 19.7402 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(232, 126, 113) }
```



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

```
.border{ border-color:rgb(232, 126, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 126, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 126, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 126, 113);  
box-shadow:4px 4px 4px 4px rgb(232, 126,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7202, 33.2698, 19.7402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 126, 113) }
```

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

```
.background{ background-color: rgb(232,  
126, 113) }
```

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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