

# Converting Colors

XYZ(43.7539, 31.6782, 20.7307)

Have a look what the booklet for  
XYZ(43.7539, 31.6782, 20.7307)  
contains.

<b>XYZ(43.8331, 31.6691, 20.6321)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(43.8331, 31.6691,  
20.6321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB7575
RGB	235, 117, 117
RGB Percent	92%, 46%, 46%
CMY	0.0784, 0.5411, 0.5412
CMYK	0.00, 0.50, 0.50, 0.08
HSL	0°, 75%, 69%
HSV	0°, 50%, 92%
XYZ	43.8331, 31.6691, 20.6321
YIQ	152.2820, 70.3280, 25.0160

# Conversions

## Conversions Part 2

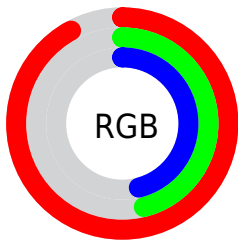
Format	Color
R <sub>YB</sub>	235, 117, 117
Decimal	15431029
CIE <sub>Lab</sub>	63.07, 45.49, 21.45
CIE <sub>LCh</sub>	63, 50.291, 25.247
Yxy	31.6691, 0.4560, 0.3294
Android (android.graphics.Color)	4293621109 (0xFFEB7575)
YUV	152.2820, -17.3940, 72.5437
Hunter-Lab	56.2753, 40.5527, 17.6553

# Details

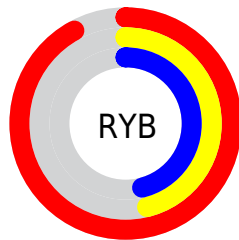
The XYZ color **43.8331, 31.6691, 20.6321** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **52.0379, 69.1928, 89.2098**, and the grayscale version is **30.0194, 31.5827, 34.3936**.

A 20% lighter version of the original color is **63.1540, 53.6296, 44.5591**, and **20.5868, 13.2104, 7.0950** is the 20% darker color. If you saturate the color by 10%, you get **40.2180, 26.3796, 13.4447**, and if you desaturate by 10%, it is **48.4837, 38.4748, 29.8760**.

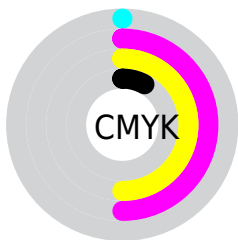
# Distribution



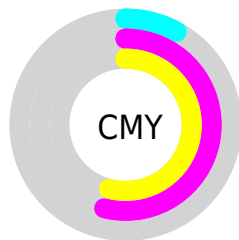
- Red (92%)
- Green (46%)
- Blue (46%)



- Red (92%)
- Yellow (46%)
- Blue (46%)



- Cyan (0%)
- Magenta (50%)
- Yellow (50%)
- Black (8%)




- Cyan (8%)
- Magenta (54%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8331, 31.6691, 20.6321 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 43.8331, 31.6691, 20.6321 by changing the saturation by 10% instead.




 43.8331, 31.6691,  
20.6321


 43.8331, 31.6691,  
20.6321


352.8905,  
309.6091, 268.0333


 30.7367, 21.1089,  
12.6667


 80.2144, 62.2920,  
45.3473

 20.5493, 13.2036,  
7.0714

 104.2301, 83.1234,  
62.9341

 12.9055, 7.5689,  
3.4277


 132.6161,  
108.1474, 84.5652

 7.4401, 3.8204,  
1.3169

165.7380,  
137.7483, 110.6591

 3.7876, 1.5736,  
0.0756

203.9610,  
172.3106, 141.6343

 1.5827, 0.3397,  
0.0000

247.6505,

 0.3811, 0.0000,

212.2185, 177.9094

0.0000

297.1719,  
257.8566, 219.9029

■ 0.0000, 0.0000,  
0.0000

■ 43.8331, 31.6691,  
20.6321

■ 43.8331, 31.6691,  
20.6321

■ 40.2180, 26.3796,  
13.4447

■ 48.4837, 38.4748,  
29.8760

■ 37.5571, 22.4859,  
8.1552

■ 54.2380, 46.8951,  
41.3153

■ 35.7610, 19.8575,  
4.5849


■ 61.1615, 57.0260,  
55.0788

■ 34.7221, 18.3373,  
2.5201

■ 69.3135, 68.9548,  
71.2849

■ 34.2609, 17.6624,  
1.6034

■ 78.7497, 82.7626,  
90.0438

 88.0708, 96.4021,  
108.5734

# Harmonies

## Analogous

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



45.4285, 31.6691, 37.7422



43.8331, 31.6691, 20.6321



38.3534, 31.6691, 11.6709

# Triad

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



43.8331, 31.6691, 20.6321



20.4260, 31.6691, 16.9821



29.0098, 31.6691, 88.2087

# Complementary

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



43.8331, 31.6691, 20.6321



52.0379, 69.1928, 89.2098

# 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.



23.1256, 31.6691, 76.3010



43.8331, 31.6691, 20.6321



18.6782, 31.6691, 31.4156

# Square

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



43.8331, 31.6691, 20.6321



24.7673, 31.6691, 10.2015



19.5852, 31.6691, 53.4547



36.1492, 31.6691, 81.7978



# Rectangle

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



43.8331, 31.6691, 20.6321



33.6230, 31.6691, 9.1779



19.5852, 31.6691, 53.4547



26.8331, 31.6691, 86.1176

# Sweetspot

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



43.8339, 31.6708, 20.6327



78.4809, 75.7548, 75.9610



55.6175, 36.3830, 82.6882



16.3598, 15.5732, 15.3873



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.



43.8339, 31.6708, 20.6327



48.3905, 31.7237, 16.1432



52.9971, 49.9972, 23.6871



15.0656, 15.0542, 15.6304



19.0679, 9.8300, 0.8924



1.4973, 0.7719, 0.0701



# Inverse Universe

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



52.0379, 69.1928, 89.2098



59.2868, 81.5594, 107.2255



37.8570, 40.8309, 84.4828



15.5177, 17.1218, 19.4092



24.8777, 36.4023, 49.4581



1.9535, 2.8585, 3.8837



# Previews

## White Background



This preview shows how the XYZ color 43.8331, 31.6691, 20.6321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

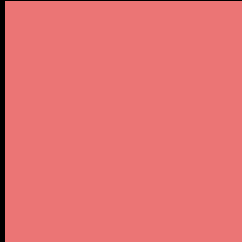
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.8331, 31.6691, 20.6321 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 43.8331, 31.6691, 20.6321

## Background



This preview shows how black text looks on a background with the XYZ color 43.8331, 31.6691, 20.6321.



This preview shows how white text looks on a background with the XYZ color 43.8331, 31.6691,



# 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

43.8331, 31.6691, 20.6321

### Protanopia

30.1915, 31.9773, 27.1352

### Deuteranopia

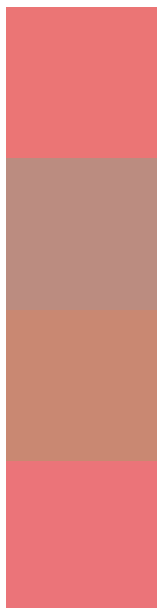
32.4144, 31.8610, 19.7706



## Tritanopia

44.1444, 31.6082, 22.8431

# Trichromacy



## Original Color

43.8331, 31.6691, 20.6321

## Protanomaly

33.7679, 30.8795, 24.6026

## Deuteranomaly

35.9288, 31.2407, 20.0560

## Tritanomaly

43.9575, 31.5334, 21.8589

# Monochromacy



## Original Color

43.8331, 31.6691, 20.6321

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

33.1842, 30.2744, 28.5206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.8331, 31.6691, 20.6321 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(235, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(235, 117, 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(235, 117, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 117, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 43.8331, 31.6691, 20.6321 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(235, 117, 117) }
```



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

```
.border{ border-color:rgb(235, 117, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 117, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 117, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 117, 117);  
box-shadow:4px 4px 4px 4px rgb(235, 117,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.8331, 31.6691, 20.6321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 117, 117) }
```

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

```
.background{ background-color: rgb(235,  
117, 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](#).

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