

# Converting Colors

XYZ(43.4782, 31.5290, 20.1612)

Have a look what the booklet for  
XYZ(43.4782, 31.5290, 20.1612)  
contains.

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# Color

**XYZ(43.3875, 31.4528,  
20.0039)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA7573
RGB	234, 117, 115
RGB Percent	92%, 46%, 45%
CMY	0.0824, 0.5411, 0.5490
CMYK	0.00, 0.50, 0.51, 0.08
HSL	1°, 74%, 68%
HSV	1°, 51%, 92%
XYZ	43.3875, 31.4528, 20.0039
YIQ	151.7550, 70.3740, 24.1820

# Conversions

## Conversions Part 2

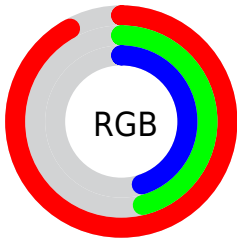
Format	Color
<a href="#">RYB</a>	<a href="#">234, 117, 115</a>
Decimal	<a href="#">15365491</a>
CIELab	<a href="#">62.89, 44.95, 22.32</a>
CIElCh	<a href="#">63, 50.187, 26.403</a>
Yxy	<a href="#">31.4528, 0.4575, 0.3316</a>
Android (android.graphics.Color)	<a href="#">4293555571</a> (0xFFEA7573)
YUV	<a href="#">151.7550, -18.1202, 72.1289</a>
Hunter-Lab	<a href="#">56.0828, 39.9486, 18.1101</a>

# Details

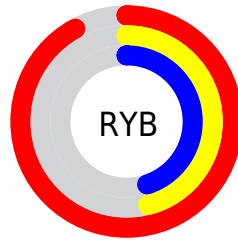
The XYZ color **43.3875, 31.4528, 20.0039** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **50.7764, 67.2950, 88.1547**, and the grayscale version is **29.7947, 31.3464, 34.1362**.

A 20% lighter version of the original color is **62.7780, 53.1758, 43.5144**, and **20.3021, 13.0707, 6.7631** is the 20% darker color. If you saturate the color by 10%, you get **39.8488, 26.2638, 13.0032**, and if you desaturate by 10%, it is **47.9281, 38.0989, 29.0250**.

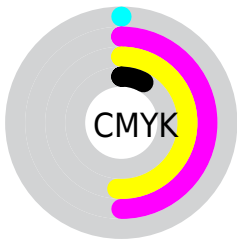
# Distribution



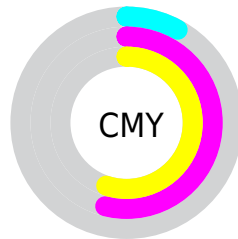
- Red (92%)
- Green (46%)
- Blue (45%)



- Red (92%)
- Yellow (46%)
- Blue (45%)



- Cyan (0%)
- Magenta (50%)
- Yellow (51%)
- Black (8%)




- Cyan (8%)
- Magenta (54%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3875, 31.4528, 20.0039 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 43.3875, 31.4528, 20.0039 by changing the saturation by 10% instead.





 43.3875, 31.4528,  
20.0039


 43.3875, 31.4528,  
20.0039

351.0975,  
308.6190, 264.5412


 30.3851, 20.9439,  
12.2138


 79.5474, 61.9523,  
44.2828

 20.2806, 13.0830,  
6.7651


 103.4355, 82.7116,  
61.6086

 12.7086, 7.4857,  
3.2394

 131.6830,  
107.6565, 82.9501

 7.3038, 3.7677,  
1.2182

164.6552,  
137.1715, 108.7258

 3.7008, 1.5445,  
0.0000

202.7173,  
171.6408, 139.3542

 1.5343, 0.3197,  
0.0000

246.2349,

 0.3490, 0.0000,

211.4489, 175.2538

0.0000

295.5731,  
256.9801, 216.8433

■ 0.0000, 0.0000,  
0.0000

■ 43.3875, 31.4528,  
20.0039

■ 43.3875, 31.4528,  
20.0039

■ 39.8488, 26.2638,  
13.0032

■ 47.9281, 38.0989,  
29.0250

■ 37.2341, 22.4182,  
7.8658

■ 53.5359, 46.2948,  
40.2039

■ 35.4580, 19.7935,  
4.4143


■ 60.2737, 56.1314,  
53.6679

■ 34.4180, 18.2426,  
2.4363

■ 68.1984, 67.6913,  
69.5341

■ 33.9744, 17.5780,  
1.6022

■ 77.3635, 81.0513,  
87.9116

 87.7416, 96.2324,  
108.5580

# Harmonies

## Analogous

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



45.1473, 31.4528, 36.6807



43.3875, 31.4528, 20.0039



37.8341, 31.4528, 11.3808

# Triad

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



43.3875, 31.4528, 20.0039



20.1692, 31.4528, 17.2611



29.0721, 31.4528, 87.7247

# Complementary

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



43.3875, 31.4528, 20.0039



50.7764, 67.2950, 88.1547

# 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.



23.1522, 31.4528, 76.5225



43.3875, 31.4528, 20.0039



18.5346, 31.4528, 31.9229

# Square

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



43.3875, 31.4528, 20.0039



24.3866, 31.4528, 10.2774



19.5371, 31.4528, 54.0216



36.1759, 31.4528, 80.6601



# Rectangle

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



43.3875, 31.4528, 20.0039



33.1161, 31.4528, 9.0349



19.5371, 31.4528, 54.0216



26.8898, 31.4528, 85.8883

# Sweetspot

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



43.3883, 31.4545, 20.0045



78.6466, 76.0863, 76.0163



54.6303, 35.5812, 80.3447



16.3989, 15.6515, 15.4004



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.



43.3883, 31.4545, 20.0045



48.2722, 31.6865, 15.4894



52.6465, 49.9709, 23.0905



15.0858, 15.0947, 15.6372



19.1009, 9.8961, 0.9034



1.5071, 0.7915, 0.0733



# Inverse Universe

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



50.7764, 67.2950, 88.1547



58.1740, 79.7563, 106.9362



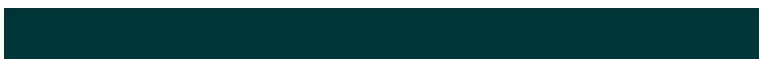
36.7727, 39.2877, 83.4868



15.4946, 17.0757, 19.4015



24.2656, 35.1781, 49.2541



1.9124, 2.7763, 3.8700



# Previews

## White Background



This preview shows how the XYZ color 43.3875, 31.4528, 20.0039 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 43.3875, 31.4528, 20.0039 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 43.3875, 31.4528, 20.0039**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.3875, 31.4528, 20.0039.



This preview shows how white text looks on a background with the XYZ color 43.3875, 31.4528,



# 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

43.3875, 31.4528, 20.0039

### Protanopia

29.8222, 31.5687, 25.9943

### Deuteranopia

32.1494, 31.5073, 19.1389



## Tritanopia

44.1444, 31.6082, 22.8431

# Trichromacy



## Original Color

43.3875, 31.4528, 20.0039

## Protanomaly

33.4278, 30.5107, 23.5294

## Deuteranomaly

35.4080, 30.7772, 19.4036

## Tritanomaly

43.9575, 31.5334, 21.8589

# Monochromacy



## Original Color

43.3875, 31.4528, 20.0039

## 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 43.3875, 31.4528, 20.0039 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(234, 117, 115)` looks like.

```
.text, #text, p{  
    color:rgb(234, 117, 115)  
}
```

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(234, 117, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 117, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 43.3875, 31.4528, 20.0039 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(234, 117, 115) }
```



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

```
.border{ border-color:rgb(234, 117, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 117, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 117, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 117, 115);  
box-shadow:4px 4px 4px 4px rgb(234, 117,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.3875, 31.4528, 20.0039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 117, 115) }
```

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

```
.background{ background-color: rgb(234,  
117, 115) }
```

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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