

# Converting Colors

XYZ(40.9596, 27.5486, 19.6404)

Have a look what the booklet for  
XYZ(40.9596, 27.5486, 19.6404)  
contains.

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# Color

**XYZ(40.9883, 27.5311,  
19.6767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E86474
RGB	232, 100, 116
RGB Percent	91%, 39%, 45%
CMY	0.0902, 0.6078, 0.5451
CMYK	0.00, 0.57, 0.50, 0.09
HSL	353°, 74%, 65%
HSV	353°, 57%, 91%
XYZ	40.9883, 27.5311, 19.6767
YIQ	141.2920, 73.5360, 32.9600

# Conversions

## Conversions Part 2

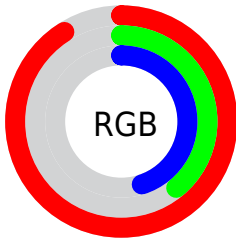
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 100, 116
Decimal	15230068
CIE <sub>Lab</sub>	59.46, 52.48, 17.03
CIE <sub>LCh</sub>	59, 55.180, 17.982
Yxy	27.5311, 0.4647, 0.3122
Android (android.graphics.Color)	4293420148 (0xFFE86474)
YUV	141.2920, -12.4690, 79.5509
Hunter-Lab	52.4701, 47.6170, 14.4948

# Details

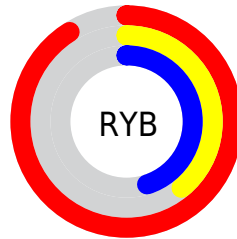
The XYZ color **40.9883, 27.5311, 19.6767** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **46.5085, 65.3811, 75.1390**, and the grayscale version is **25.4602, 26.7862, 29.1701**.

A 20% lighter version of the original color is **60.0292, 47.5298, 43.0561**, and **18.7387, 10.8766, 6.5806** is the 20% darker color. If you saturate the color by 10%, you get **38.0126, 23.2741, 13.4617**, and if you desaturate by 10%, it is **44.8591, 33.1620, 27.4746**.

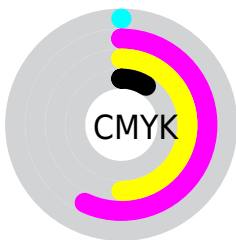
# Distribution



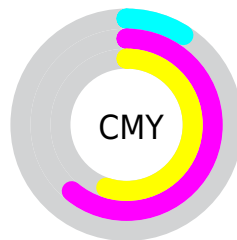
- Red (91%)
- Green (39%)
- Blue (45%)



- Red (91%)
- Yellow (39%)
- Blue (45%)



- Cyan (0%)
- Magenta (57%)
- Yellow (50%)
- Black (9%)




- Cyan (9%)
- Magenta (61%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9883, 27.5311, 19.6767 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 40.9883, 27.5311, 19.6767 by changing the saturation by 10% instead.





 40.9883, 27.5311,  
19.6767


 40.9883, 27.5311,  
19.6767


341.3351,  
290.2195, 262.7056


 28.4976, 17.9725,  
11.9785


 75.9410, 55.7349,  
43.7263


 18.8434, 10.9302,  
6.6067


 99.1336, 75.1490,  
60.9148

 11.6605, 6.0199,  
3.1427

 126.6242, 98.6169,  
82.1038

 6.5835, 2.8572,  
1.1679

 158.7783,  
126.5232, 107.7119

 3.2470, 1.0576,  
0.0000

195.9610,  
159.2522, 138.1576

 1.2857, 0.0000,  
0.0000

238.5378,

 0.1725, 0.0000,

197.1883, 173.8594

0.0000

286.8741,  
240.7160, 215.2359

■ 0.0000, 0.0000,  
0.0000

■ 40.9883, 27.5311,  
19.6767

■ 40.9883, 27.5311,  
19.6767

■ 38.0126, 23.2741,  
13.4617

■ 44.8591, 33.1620,  
27.4746

■ 35.8573, 20.2688,  
8.7191

■ 49.6874, 40.2662,  
36.9526

■ 34.4389, 18.3793,  
5.3260

■ 55.5325, 48.9394,  
48.2019

■ 33.6521, 17.4303,  
3.1380

■ 62.4481, 59.2675,  
61.3066

■ 33.4896, 17.2401,  
2.6681

■ 70.4842, 71.3305,  
76.3455

■ 79.6878, 85.2032,  
93.3925

■ 87.0886, 95.8958,  
108.5274

# Harmonies

## Analogous

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



41.4738, 27.5311, 38.6405



40.9883, 27.5311, 19.6767



36.1324, 27.5311, 9.6316

# Triad

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



40.9883, 27.5311, 19.6767



17.4681, 27.5311, 11.0086



23.4912, 27.5311, 84.8947

# Complementary

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



40.9883, 27.5311, 19.6767



46.5085, 65.3811, 75.1390

# 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.



18.2271, 27.5311, 68.1779



40.9883, 27.5311, 19.6767



15.1837, 27.5311, 22.7156

# Square

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



40.9883, 27.5311, 19.6767



22.2678, 27.5311, 6.3657



15.4345, 27.5311, 43.3598



30.4978, 27.5311, 82.8557



# Rectangle

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



40.9883, 27.5311, 19.6767



31.4845, 27.5311, 6.6984



15.4345, 27.5311, 43.3598



21.4855, 27.5311, 81.0591

# Sweetspot

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



40.9890, 27.5326, 19.6772



77.2078, 73.1768, 75.6345



46.9721, 29.2986, 79.5233



16.1328, 15.0750, 15.4483



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.



40.9890, 27.5326, 19.6772



46.6559, 28.2059, 15.7149



46.2328, 39.3831, 17.2235



14.4477, 14.3963, 15.2919



18.6163, 9.5807, 1.6085



1.3991, 0.7173, 0.2422



# Inverse Universe

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



40.9890, 27.5326, 19.6772



46.6559, 28.2059, 15.7149



36.8799, 42.6521, 82.6327



14.4477, 14.3963, 15.2919



18.6163, 9.5807, 1.6085



1.3991, 0.7173, 0.2422



# Previews

## White Background



This preview shows how the XYZ color 40.9883, 27.5311, 19.6767 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 40.9883, 27.5311, 19.6767 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 × Fail

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

**XYZ 40.9883, 27.5311, 19.6767**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.9883, 27.5311, 19.6767.



This preview shows how white text looks on a background with the XYZ color 40.9883, 27.5311,



# 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

40.9883, 27.5311, 19.6767

### Protanopia

26.6226, 27.7758, 28.0029

### Deuteranopia

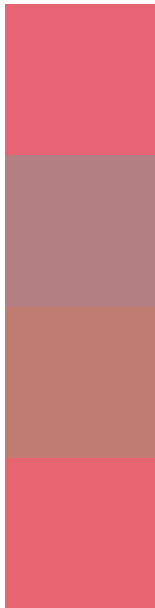
28.2651, 27.7378, 18.6160



## Tritanopia

40.3155, 27.3790, 17.3472

# Trichromacy



## Original Color

40.9883, 27.5311, 19.6767

## Protanomaly

30.2090, 26.3742, 24.6176

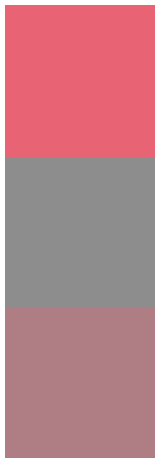
## Deuteranomaly

31.8705, 26.7916, 18.8208

## Tritanomaly

40.4779, 27.4440, 18.2027

# Monochromacy



## Original Color

40.9883, 27.5311, 19.6767

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

29.0813, 25.5863, 25.2357

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.9883, 27.5311, 19.6767 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, 100, 116)` looks like.

```
.text, #text, p{  
    color:rgb(232, 100, 116)  
}
```

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, 100, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 100, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 40.9883, 27.5311, 19.6767 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, 100, 116) }
```



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

```
.border{ border-color:rgb(232, 100, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 100, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 100, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 100, 116);  
box-shadow:4px 4px 4px 4px rgb(232, 100,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.9883, 27.5311, 19.6767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 100, 116) }
```

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

```
.background{ background-color: rgb(232,  
100, 116) }
```

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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