

# Converting Colors

XYZ(41.4121, 28.9519, 19.6253)

Have a look what the booklet for  
XYZ(41.4121, 28.9519, 19.6253)  
contains.

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# Color

**XYZ(41.4121, 28.9519,  
19.6253)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E76C73
RGB	231, 108, 115
RGB Percent	91%, 42%, 45%
CMY	0.0941, 0.5764, 0.5490
CMYK	0.00, 0.53, 0.50, 0.09
HSL	357°, 72%, 66%
HSV	357°, 53%, 91%
XYZ	41.4121, 28.9519, 19.6253
YIQ	145.5750, 71.0610, 28.2530

# Conversions

## Conversions Part 2

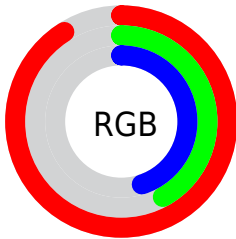
Format	Color
R <sub>Y</sub> B	231, 108, 115
Decimal	15166579
CIE Lab	60.74, 48.28, 19.33
CIE LCh	61, 52.008, 21.824
Yxy	28.9519, 0.4602, 0.3217
Android (android.graphics.Color)	4293356659 (0xFFE76C73)
YUV	145.5750, -15.0735, 74.9177
Hunter-Lab	53.8070, 43.2189, 16.0397

# Details

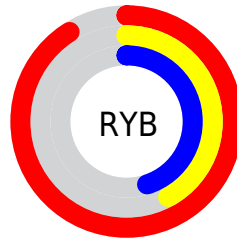
The XYZ color **41.4121, 28.9519, 19.6253** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **48.2165, 65.7224, 80.6700**, and the grayscale version is **27.1881, 28.6040, 31.1497**.

A 20% lighter version of the original color is **61.3122, 50.2444, 43.0258**, and **19.1269, 11.7015, 6.5607** is the 20% darker color. If you saturate the color by 10%, you get **38.1814, 24.2655, 13.0771**, and if you desaturate by 10%, it is **45.5858, 35.0504, 27.9498**.

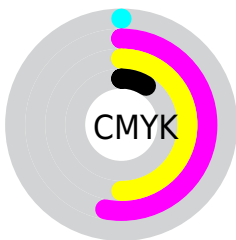
# Distribution



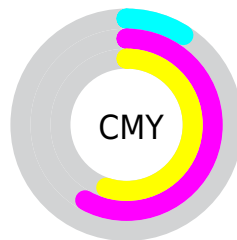
- Red (91%)
- Green (42%)
- Blue (45%)



- Red (91%)
- Yellow (42%)
- Blue (45%)



- Cyan (0%)
- Magenta (53%)
- Yellow (50%)
- Black (9%)




- Cyan (9%)
- Magenta (58%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4121, 28.9519, 19.6253 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 41.4121, 28.9519, 19.6253 by changing the saturation by 10% instead.





 41.4121, 28.9519,  
19.6253


 41.4121, 28.9519,  
19.6253


343.0733,  
296.9879, 262.4162


 28.8303, 19.0444,  
11.9416


 76.5798, 58.0007,  
43.6388

 19.0961, 11.7024,  
6.5819

 99.8965, 77.9107,  
60.8056

 11.8442, 6.5414,  
3.1276


 127.5222,  
101.9238, 81.9705

 6.7091, 3.1770,  
1.1601

 159.8223,  
130.4243, 107.5522

 3.3256, 1.2248,  
0.0000

197.1620,  
163.7965, 137.9690

 1.3282, 0.0818,  
0.0000

239.9069,

 0.2042, 0.0000,

202.4250, 173.6396

0.0000

288.4222,  
246.6940, 214.9825

■ 0.0000, 0.0000,  
0.0000

■ 41.4121, 28.9519,  
19.6253

■ 41.4121, 28.9519,  
19.6253

■ 38.1814, 24.2655,  
13.0771

■ 45.5858, 35.0504,  
27.9498

■ 35.8182, 20.8737,  
8.1747

■ 50.7659, 42.6571,  
38.1654

■ 34.2389, 18.6480,  
4.7720

■ 57.0129, 51.8648,  
50.3788

■ 33.3423, 17.4311,  
2.6967

■ 64.3818, 62.7577,  
64.6886

■ 33.0284, 17.0183,  
1.9294

■ 72.9239, 75.4140,  
81.1866

■ 82.6873, 89.9072,  
99.9594

■ 86.7649, 95.7289,  
108.5123

# Harmonies

## Analogous

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



42.4693, 28.9519, 37.1116



41.4121, 28.9519, 19.6253



36.3456, 28.9519, 10.4007

# Triad

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



41.4121, 28.9519, 19.6253



18.5234, 28.9519, 13.6773



25.7129, 28.9519, 84.4932

# Complementary

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



41.4121, 28.9519, 19.6253



48.2165, 65.7224, 80.6700

# 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.



20.2496, 28.9519, 70.7066



41.4121, 28.9519, 19.6253



16.5657, 28.9519, 26.5269

# Square

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



41.4121, 28.9519, 19.6253



22.9691, 28.9519, 8.0751



17.1414, 28.9519, 47.4609



32.6308, 28.9519, 80.1580



# Rectangle

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



41.4121, 28.9519, 19.6253



31.7688, 28.9519, 7.7531



17.1414, 28.9519, 47.4609



23.6642, 28.9519, 81.6750

# Sweetspot

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



41.4128, 28.9534, 19.6258



77.7992, 74.4392, 75.5864



50.1570, 32.1525, 79.1635



16.2367, 15.3186, 15.3721



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.



41.4128, 28.9534, 19.6258



47.4027, 29.8208, 15.5899



48.4602, 43.6679, 20.0641



14.4101, 14.3812, 15.0938



18.5306, 9.5465, 1.1574



1.3811, 0.7102, 0.1476



# Inverse Universe

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



41.4128, 28.9534, 19.6258



47.4027, 29.8208, 15.5899



36.4704, 40.6809, 81.5311



14.4101, 14.3812, 15.0938



18.5306, 9.5465, 1.1574



1.3811, 0.7102, 0.1476



# Previews

## White Background



This preview shows how the XYZ color 41.4121, 28.9519, 19.6253 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

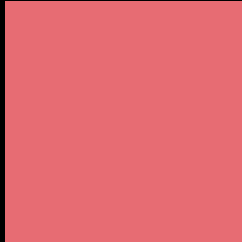
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4121, 28.9519, 19.6253 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 41.4121, 28.9519, 19.6253**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4121, 28.9519, 19.6253.



This preview shows how white text looks on a background with the XYZ color 41.4121, 28.9519,



# 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

41.4121, 28.9519, 19.6253

### Protanopia

27.7188, 29.0513, 26.7008

### Deuteranopia

29.5729, 29.0598, 18.8023



## Tritanopia

41.4121, 28.9519, 19.6253

# Trichromacy



## Original Color

41.4121, 28.9519, 19.6253

## Protanomaly

31.1381, 27.8586, 23.8148

## Deuteranomaly

33.0230, 28.3397, 19.0588

## Tritanomaly

41.4121, 28.9519, 19.6253

# Monochromacy



## Original Color

41.4121, 28.9519, 19.6253

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

30.7559, 27.5989, 26.6278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4121, 28.9519, 19.6253 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(231, 108, 115)` looks like.

```
.text, #text, p{  
    color:rgb(231, 108, 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(231, 108, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 108, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4121, 28.9519, 19.6253 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(231, 108, 115) }
```



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

```
.border{ border-color:rgb(231, 108, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 108, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 108, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 108, 115);  
box-shadow:4px 4px 4px 4px rgb(231, 108,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4121, 28.9519, 19.6253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 108, 115) }
```

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

```
.background{ background-color: rgb(231,  
108, 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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