

# Converting Colors

XYZ(39.4154, 27.9436, 18.1889)

Have a look what the booklet for  
XYZ(39.4154, 27.9436, 18.1889)  
contains.

<b>XYZ(39.5411, 28.0197, 18.0761)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.5411, 28.0197,  
18.0761)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E26C6E
RGB	226, 108, 110
RGB Percent	89%, 42%, 43%
CMY	0.1137, 0.5764, 0.5686
CMYK	0.00, 0.52, 0.51, 0.11
HSL	359°, 67%, 65%
HSV	359°, 52%, 89%
XYZ	39.5411, 28.0197, 18.0761
YIQ	143.5100, 69.6860, 25.6380

# Conversions

## Conversions Part 2

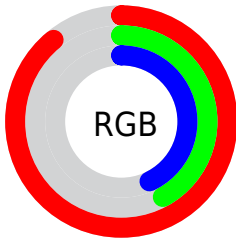
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 108, 110
Decimal	14838894
CIE <sub>Lab</sub>	59.91, 46.07, 20.95
CIE <sub>LCh</sub>	60, 50.613, 24.455
Yxy	28.0197, 0.4617, 0.3272
Android (android.graphics.Color)	4293028974 (0xFFE26C6E)
YUV	143.5100, -16.5204, 72.3437
Hunter-Lab	52.9336, 40.7045, 16.8068

# Details

The XYZ color **39.5411, 28.0197, 18.0761** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **46.8369, 62.9633, 80.2101**, and the grayscale version is **26.3579, 27.7306, 30.1986**.

A 20% lighter version of the original color is **60.6819, 49.7093, 40.5790**, and **17.9893, 11.1982, 5.9160** is the 20% darker color. If you saturate the color by 10%, you get **36.3971, 23.4310, 11.7897**, and if you desaturate by 10%, it is **43.6075, 33.9680, 26.1665**.

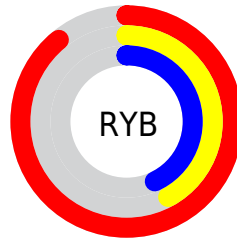
# Distribution



Red (89%)

Green (42%)

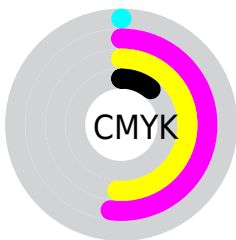
Blue (43%)



Red (89%)

Yellow (42%)

Blue (43%)

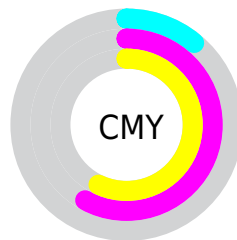


Cyan (0%)

Magenta (52%)

Yellow (51%)

Black (11%)



Cyan (11%)

Magenta (58%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5411, 28.0197, 18.0761 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 39.5411, 28.0197, 18.0761 by changing the saturation by 10% instead.





 39.5411, 28.0197,  
18.0761


 39.5411, 28.0197,  
18.0761


335.3533,  
292.5610, 253.5501


 27.3635, 18.3405,  
10.8346


 73.7530, 56.5159,  
40.9826


 17.9844, 11.1947,  
5.8430


 96.5181, 76.1017,  
57.4848

 11.0384, 6.1980,  
2.6826


 123.5430, 99.7585,  
77.9109

 6.1602, 2.9658,  
0.9346

 155.1932,  
127.8706, 102.6796

 2.9843, 1.1139,  
0.0000

191.8339,  
160.8226, 132.2093

 1.1455, 0.0000,  
0.0000

233.8306,

 0.0626, 0.0000,

198.9987, 166.9186

0.0000

281.5486,  
242.7834, 207.2260

■ 0.0000, 0.0000,  
0.0000

■ 39.5411, 28.0197,  
18.0761

■ 39.5411, 28.0197,  
18.0761

■ 36.3971, 23.4310,  
11.7897

■ 43.6075, 33.9680,  
26.1665

■ 34.1014, 20.0907,  
7.1677

■ 48.6584, 41.3668,  
36.1831

■ 32.5722, 17.8773,  
4.0529

■ 54.7530, 50.3044,  
48.2389

■ 31.7105, 16.6433,  
2.2569

■ 61.9454, 60.8609,  
62.4382

■ 31.3849, 16.1771,  
1.5780

■ 70.2857, 73.1108,  
78.8779

■ 79.8210, 87.1237,  
97.6490

■ 85.1740, 94.9087,  
108.4378

# Harmonies

## Analogous

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



40.9247, 28.0197, 34.0583



39.5411, 28.0197, 18.0761



34.4824, 28.0197, 9.8202

# Triad

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



39.5411, 28.0197, 18.0761



17.7882, 28.0197, 14.2109



25.4554, 28.0197, 81.0407

# Complementary

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



39.5411, 28.0197, 18.0761



46.8369, 62.9633, 80.2101

# 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.



20.0736, 28.0197, 69.3227



39.5411, 28.0197, 18.0761



16.1272, 28.0197, 27.2147

# Square

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



39.5411, 28.0197, 18.0761



21.8360, 28.0197, 8.2998



16.8912, 28.0197, 47.6333



32.0831, 28.0197, 75.4036



# Rectangle

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



39.5411, 28.0197, 18.0761



30.0833, 28.0197, 7.5349



16.8912, 28.0197, 47.6333



23.4551, 28.0197, 78.8943

# Sweetspot

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



39.5418, 28.0212, 18.0766



77.5887, 74.3550, 74.4780



49.2354, 31.7578, 75.4862



16.1874, 15.2989, 15.1126



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.



39.5418, 28.0212, 18.0766



47.4346, 30.1921, 14.6525



47.1808, 43.4710, 20.0934



13.7166, 13.7043, 14.2778



17.9095, 9.2308, 0.9231



1.2447, 0.6412, 0.0817



# Inverse Universe

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



39.5418, 28.0212, 18.0766



47.4346, 30.1921, 14.6525



34.4636, 37.7815, 77.4275



13.7166, 13.7043, 14.2778



17.9095, 9.2308, 0.9231



1.2447, 0.6412, 0.0817



# Previews

## White Background



This preview shows how the XYZ color 39.5411, 28.0197, 18.0761 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 39.5411, 28.0197, 18.0761 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 39.5411, 28.0197, 18.0761**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5411, 28.0197, 18.0761.



This preview shows how white text looks on a background with the XYZ color 39.5411, 28.0197,



# 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

39.5411, 28.0197, 18.0761

### Protanopia

26.5665, 28.0581, 24.0942

### Deuteranopia

28.7957, 28.2558, 17.3008



## Tritanopia

39.7162, 27.9219, 19.5159

# Trichromacy



## Original Color

39.5411, 28.0197, 18.0761

## Protanomaly

29.9276, 27.0781, 21.7384

## Deuteranomaly

32.1112, 27.7063, 17.5653

## Tritanomaly

39.6024, 27.8764, 18.9162

# Monochromacy



## Original Color

39.5411, 28.0197, 18.0761

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

29.7367, 26.8972, 25.4542

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5411, 28.0197, 18.0761 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(226, 108, 110)` looks like.

```
.text, #text, p{  
    color:rgb(226, 108, 110)  
}
```

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(226, 108, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 108, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5411, 28.0197, 18.0761 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(226, 108, 110) }
```



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

```
.border{ border-color:rgb(226, 108, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 108, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 108, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 108, 110);  
box-shadow:4px 4px 4px 4px rgb(226, 108,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5411, 28.0197, 18.0761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 108, 110) }
```

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

```
.background{ background-color: rgb(226,  
108, 110) }
```

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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