

# Converting Colors

XYZ(38.7439, 27.0820, 14.2540)

Have a look what the booklet for  
XYZ(38.7439, 27.0820, 14.2540)  
contains.

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# Color

**XYZ(38.7402, 27.0761,  
14.2507)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E36860
RGB	227, 104, 96
RGB Percent	89%, 41%, 38%
CMY	0.1098, 0.5921, 0.6235
CMYK	0.00, 0.54, 0.58, 0.11
HSL	4°, 70%, 63%
HSV	4°, 58%, 89%
XYZ	38.7402, 27.0761, 14.2507
YIQ	139.8650, 75.8760, 23.5880

# Conversions

## Conversions Part 2

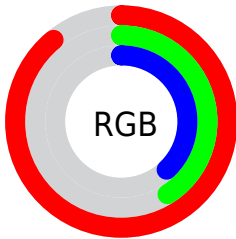
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 105, 96
Decimal	14903392
CIE Lab	59.04, 47.25, 27.84
CIE LCh	59, 54.844, 30.510
Yxy	27.0761, 0.4838, 0.3382
Android (android.graphics.Color)	4293093472 (0xFFE36860)
YUV	139.8650, -21.6254, 76.4174
Hunter-Lab	52.0347, 41.8338, 20.1866

# Details

The XYZ color **38.7402, 27.0761, 14.2507** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **44.0186, 58.6920, 81.6813**, and the grayscale version is **24.9365, 26.2351, 28.5700**.

A 20% lighter version of the original color is **58.7333, 47.8203, 33.7384**, and **17.4422, 10.6185, 4.1479** is the 20% darker color. If you saturate the color by 10%, you get **35.9610, 22.9558, 8.8913**, and if you desaturate by 10%, it is **42.3645, 32.4040, 21.3805**.

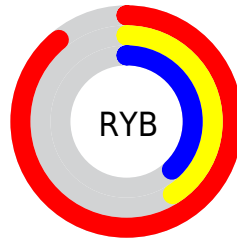
# Distribution



Red (89%)

Green (41%)

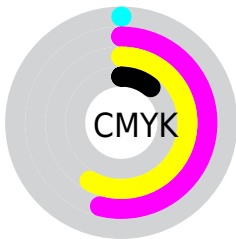
Blue (38%)



Red (89%)

Yellow (41%)

Blue (38%)

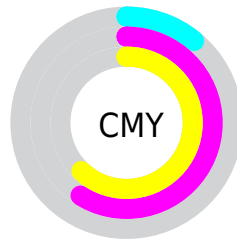


Cyan (0%)

Magenta (54%)

Yellow (58%)

Black (11%)



Cyan (11%)

Magenta (59%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7402, 27.0761, 14.2507 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 38.7402, 27.0761, 14.2507 by changing the saturation by 10% instead.





 38.7402, 27.0761,  
14.2507


 38.7402, 27.0761,  
14.2507


332.0109,  
288.0254, 230.2673

 26.7375, 17.6304,  
8.1545


 72.5379, 55.0060,  
34.2567

 17.5117, 10.6850,  
4.1048


 95.0636, 74.2589,  
49.0036

 10.6976, 5.8554,  
1.6830


 121.8276, 97.5497,  
67.4711

 5.9296, 2.7574,  
0.3490

 153.1954,  
125.2627, 90.0778

 2.8426, 1.0064,  
0.0000

189.5323,  
157.7824, 117.2423

 1.0711, 0.0000,  
0.0000

231.2036,

 0.0007, 0.0000,

195.4932, 149.3830

0.0000

278.5746,  
238.7794, 186.9185

■ 0.0000, 0.0000,  
0.0000

■ 38.7402, 27.0761,  
14.2507

■ 38.7402, 27.0761,  
14.2507

■ 35.9610, 22.9558,  
8.8913

■ 42.3645, 32.4040,  
21.3805

■ 33.9564, 19.9448,  
5.1461

■ 46.8927, 39.0193,  
30.4159

■ 32.6480, 17.9365,  
2.8338

■ 52.3809, 46.9998,  
41.4808

■ 31.9357, 16.7998,  
1.7088

■ 58.8798, 56.4163,  
54.6880

■ 31.8337, 16.6415,  
1.5343

■ 66.4367, 67.3344,  
70.1423

■ 75.0960, 79.8156,  
87.9414

■ 84.8993, 93.9182,  
108.1772

■ 85.4884, 95.0708,  
108.4525

# Harmonies

## Analogous

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



41.1691, 27.0761, 29.1491



38.7402, 27.0761, 14.2507



32.7317, 27.0761, 7.4085

# Triad

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



38.7402, 27.0761, 14.2507



15.9398, 27.0761, 14.6094



25.8516, 27.0761, 85.1026

# Complementary

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



38.7402, 27.0761, 14.2507



44.0186, 58.6920, 81.6813

# 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.



19.8140, 27.0761, 75.6332



38.7402, 27.0761, 14.2507



14.7393, 27.0761, 29.8160

# Square

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



38.7402, 27.0761, 14.2507



19.6451, 27.0761, 7.5421



16.0246, 27.0761, 52.9031



32.9690, 27.0761, 75.0100



# Rectangle

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



38.7402, 27.0761, 14.2507



27.9542, 27.0761, 5.8098



16.0246, 27.0761, 52.9031



23.6365, 27.0761, 84.0696

# Sweetspot

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



38.7409, 27.0776, 14.2512



77.2020, 74.2408, 72.3170



48.8392, 29.8879, 71.2175



16.1313, 15.3218, 14.6776



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.



38.7409, 27.0776, 14.2512



46.2928, 29.1046, 10.5845



47.8016, 45.1991, 17.2714



14.4473, 14.5086, 14.9434



18.5937, 9.7615, 0.9042



1.3991, 0.7715, 0.0752



# Inverse Universe

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



44.0186, 58.6920, 81.6813



53.7032, 73.7336, 106.0093



30.4021, 31.4590, 77.1425



14.7281, 16.1775, 18.4907



22.0132, 31.0885, 47.2236



1.6497, 2.3433, 3.4973



# Previews

## White Background



This preview shows how the XYZ color 38.7402, 27.0761, 14.2507 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

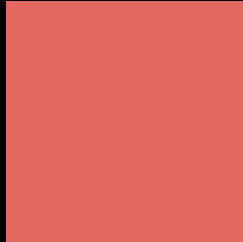
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.7402, 27.0761, 14.2507 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

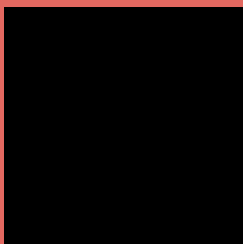
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.7402, 27.0761, 14.2507**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7402, 27.0761, 14.2507.



This preview shows how white text looks on a background with the XYZ color 38.7402, 27.0761,



# 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

38.7402, 27.0761, 14.2507

### Protanopia

25.5465, 27.1913, 19.2312

### Deuteranopia

27.6629, 27.1172, 13.4490



## Tritanopia

39.5066, 27.1008, 17.6168

# Trichromacy



## Original Color

38.7402, 27.0761, 14.2507

## Protanomaly

28.9111, 26.0627, 17.1425

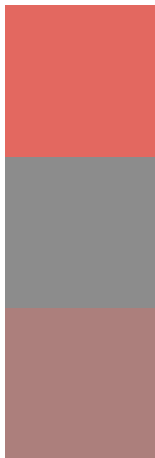
## Deuteranomaly

30.8776, 26.3945, 13.5924

## Tritanomaly

39.3438, 27.1940, 16.2720

# Monochromacy



## Original Color

38.7402, 27.0761, 14.2507

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

28.2407, 25.4046, 22.4839

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.7402, 27.0761, 14.2507 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(227, 104, 96)` looks like.

```
.text, #text, p{  
    color:rgb(227, 104, 96)  
}
```

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(227, 104, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 104, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7402, 27.0761, 14.2507 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(227, 104, 96) }
```



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

```
.border{ border-color:rgb(227, 104, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 104, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 104, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 104, 96);  
box-shadow:4px 4px 4px 4px rgb(227, 104,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7402, 27.0761, 14.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 104, 96) }
```

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

```
.background{ background-color: rgb(227,  
104, 96) }
```

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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