

Converting Colors

XYZ(37.7870, 27.1748, 15.3103)

Have a look what the booklet for
XYZ(37.7870, 27.1748, 15.3103)
contains.

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Color

**XYZ(37.7870, 27.1748,
15.3103)**

Conversions

Conversions Part 1

Format	Color
Hex	DE6C64
RGB	222, 108, 100
RGB Percent	87%, 42%, 39%
CMY	0.1294, 0.5764, 0.6078
CMYK	0.00, 0.51, 0.55, 0.13
HSL	4°, 65%, 63%
HSV	4°, 55%, 87%
XYZ	37.7870, 27.1748, 15.3103
YIQ	141.1740, 70.5120, 21.6800

Conversions

Conversions Part 2

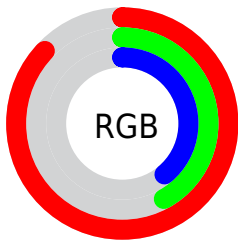
Format	Color
R_{YB}	222, 109, 100
Decimal	14576740
CIE Lab	59.14, 43.79, 25.54
CIE LCh	59, 50.697, 30.255
Yxy	27.1748, 0.4707, 0.3385
Android (android.graphics.Color)	4292766820 (0xFFDE6C64)
YUV	141.1740, -20.2988, 70.8844
Hunter-Lab	52.1295, 38.1625, 19.0773

Details

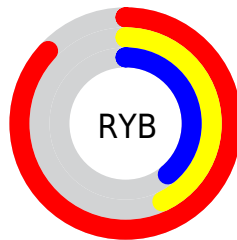
The XYZ color **37.7870, 27.1748, 15.3103** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **42.4854, 56.0732, 77.6909**, and the grayscale version is **25.4443, 26.7694, 29.1519**.

A 20% lighter version of the original color is **59.7462, 49.3350, 35.6518**, and **16.9571, 10.7668, 4.5526** is the 20% darker color. If you saturate the color by 10%, you get **34.9217, 22.9359, 9.7569**, and if you desaturate by 10%, it is **41.4668, 32.5744, 22.5797**.

Distribution



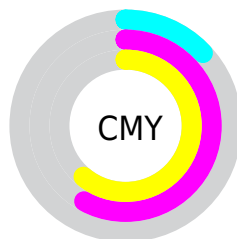
- Red (87%)
- Green (42%)
- Blue (39%)



- Red (87%)
- Yellow (43%)
- Blue (39%)



- Cyan (0%)
- Magenta (51%)
- Yellow (55%)
- Black (13%)





- Cyan (13%)
- Magenta (58%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7870, 27.1748, 15.3103 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 37.7870, 27.1748, 15.3103 by changing the saturation by 10% instead.


 37.7870, 27.1748,
15.3103


 37.7870, 27.1748,
15.3103


328.0021,
288.5025, 236.9419

 25.9939, 17.7045,
8.8884

 71.0876, 55.1642,
36.1466

 16.9517, 10.7381,
4.5727


 93.3257, 74.4522,
51.3981

 10.2952, 5.8910,
1.9445


 119.7762, 97.7815,
70.4299

 5.6589, 2.7789,
0.5208

 150.8045,
125.5366, 93.6605

 2.6775, 1.0174,
0.0000

186.7758,
158.1019, 121.5084

 0.9856, 0.0000,
0.0000

228.0557,

 0.0000, 0.0000,

195.8617, 154.3923

0.0000

275.0093,
239.2004, 192.7306

■ 37.7870, 27.1748,
15.3103

■ 37.7870, 27.1748,
15.3103

■ 34.9217, 22.9359,
9.7569

■ 41.4668, 32.5744,
22.5797

■ 32.8069, 19.7687,
5.7771

■ 46.0145, 39.2067,
31.6890

■ 31.3726, 17.5783,
3.2079

■ 51.4813, 47.1430,
42.7522

■ 30.5340, 16.2509,
1.8502

■ 57.9141, 56.4477,
55.8740

■ 30.2888, 15.8591,
1.4647

■ 65.3562, 67.1811,
71.1512

■ 73.8487, 79.4000,
88.6748

■ 83.3653, 93.1321,
108.1902

■ 83.9341, 94.2695,
108.3798

Harmonies

Analogous

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



39.9562, 27.1748, 29.4346



37.7870, 27.1748, 15.3103



32.3264, 27.1748, 8.5150

Triad

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



37.7870, 27.1748, 15.3103



16.6639, 27.1748, 15.4833



25.8828, 27.1748, 79.6949

Complementary

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



37.7870, 27.1748, 15.3103



42.4854, 56.0732, 77.6909

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.



20.2660, 27.1748, 71.1591



37.7870, 27.1748, 15.3103



15.4989, 27.1748, 29.7434

Square

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



37.7870, 27.1748, 15.3103



20.1867, 27.1748, 8.5825



16.7042, 27.1748, 50.7695



32.4350, 27.1748, 70.8824

Rectangle

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



37.7870, 27.1748, 15.3103



27.9369, 27.1748, 6.8591



16.7042, 27.1748, 50.7695



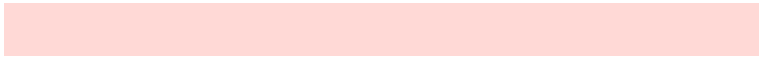
23.8296, 27.1748, 78.7291

Sweetspot

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



37.7877, 27.1762, 15.3108



78.1844, 75.6878, 74.2408



47.0630, 29.5968, 68.1300



16.3269, 15.6109, 15.0571



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.



37.7877, 27.1762, 15.3108



47.2919, 30.6308, 12.3725



46.2615, 44.1238, 18.1354



13.7791, 13.8441, 14.2527



18.0192, 9.4764, 0.8794



1.2748, 0.7084, 0.0695

Inverse Universe

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



42.4854, 56.0732, 77.6909



54.2899, 73.9065, 106.0117



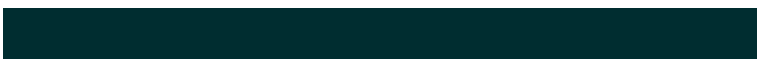
30.1452, 31.3928, 73.5775



14.0355, 15.4102, 17.6224



21.1793, 29.8282, 45.6895



1.4916, 2.1146, 3.1748

Previews

White Background



This preview shows how the XYZ color 37.7870, 27.1748, 15.3103 looks on a white background.

Color Contrast Check

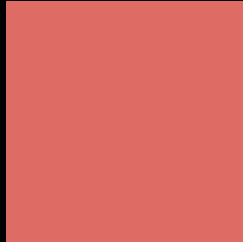
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7870, 27.1748, 15.3103 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 37.7870, 27.1748, 15.3103

Background



This preview shows how black text looks on a background with the XYZ color 37.7870, 27.1748, 15.3103.



This preview shows how white text looks on a background with the XYZ color 37.7870, 27.1748,

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

37.7870, 27.1748, 15.3103

Protanopia

25.6795, 27.4620, 20.1669

Deuteranopia

27.8058, 27.3755, 14.6449



Tritanopia

38.5661, 27.1883, 18.8380

Trichromacy



Original Color

37.7870, 27.1748, 15.3103

Protanomaly

28.9286, 26.4382, 18.3302

Deuteranomaly

30.8537, 26.7319, 14.8429

Tritanomaly

38.3959, 27.2861, 17.4304

Monochromacy



Original Color

37.7870, 27.1748, 15.3103

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

28.1937, 25.7529, 23.2235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7870, 27.1748, 15.3103 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(222, 108, 100)` looks like.

```
.text, #text, p{  
    color:rgb(222, 108, 100)  
}
```

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(222, 108, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 108, 100) }
```

Border

The CSS property to change the border of an element to XYZ 37.7870, 27.1748, 15.3103 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(222, 108, 100) }
```


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

```
.border{ border-color:rgb(222, 108, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 108, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 108, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 108, 100);  
box-shadow:4px 4px 4px 4px rgb(222, 108,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7870, 27.1748, 15.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 108, 100) }
```

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

```
.background{ background-color: rgb(222,  
108, 100) }
```

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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