

# Converting Colors

XYZ(37.3063, 26.6511, 13.7690)

Have a look what the booklet for  
XYZ(37.3063, 26.6511, 13.7690)  
contains.

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# Color

**XYZ(37.2986, 26.6458,  
13.7670)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE6A5E
RGB	222, 106, 94
RGB Percent	87%, 42%, 37%
CMY	0.1294, 0.5843, 0.6314
CMYK	0.00, 0.52, 0.58, 0.13
HSL	6°, 66%, 62%
HSV	6°, 58%, 87%
XYZ	37.2986, 26.6458, 13.7670
YIQ	139.3160, 72.9880, 20.8600

# Conversions

## Conversions Part 2

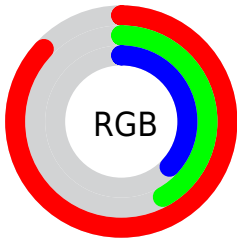
Format	Color
R <sub>YB</sub>	222, 107, 94
Decimal	14576222
CIE Lab	58.65, 44.32, 28.32
CIE LCh	59, 52.590, 32.577
Yxy	26.6458, 0.4800, 0.3429
Android (android.graphics.Color)	4292766302 (0xFFDE6A5E)
YUV	139.3160, -22.3408, 72.5139
Hunter-Lab	51.6196, 38.6440, 20.3210

# Details

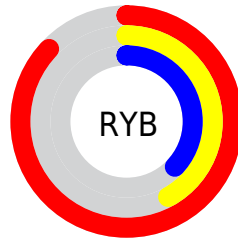
The XYZ color **37.2986, 26.6458, 13.7670** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **40.8459, 53.7436, 77.3276**, and the grayscale version is **24.7270, 26.0148, 28.3301**.

A 20% lighter version of the original color is **58.9216, 48.4459, 33.0336**, and **16.7069, 10.4410, 3.9311** is the 20% darker color. If you saturate the color by 10%, you get **34.6062, 22.6328, 8.6415**, and if you desaturate by 10%, it is **40.7650, 31.7488, 20.5639**.

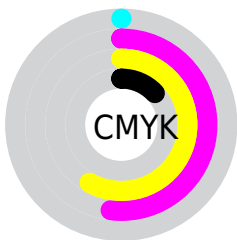
# Distribution



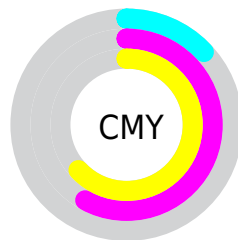
- Red (87%)
- Green (42%)
- Blue (37%)



- Red (87%)
- Yellow (42%)
- Blue (37%)



- Cyan (0%)
- Magenta (52%)
- Yellow (58%)
- Black (13%)




- Cyan (13%)
- Magenta (58%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2986, 26.6458, 13.7670 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 37.2986, 26.6458, 13.7670 by changing the saturation by 10% instead.





 37.2986, 26.6458,  
13.7670


 37.2986, 26.6458,  
13.7670


325.9346,  
285.9380, 227.1543


 25.6135, 17.3074,  
7.8219

 70.3426, 54.3150,  
33.3862

 16.6659, 10.4539,  
3.8951


 92.4323, 73.4145,  
47.8973

 10.0904, 5.7009,  
1.5680


 118.7209, 96.5365,  
66.1009

 5.5217, 2.6641,  
0.2678

 149.5737,  
124.0655, 88.4155

 2.5943, 0.9590,  
0.0000

185.3561,  
156.3857, 115.2596

 0.9431, 0.0000,  
0.0000

226.4335,

 0.0000, 0.0000,

193.8816, 147.0517

0.0000

273.1712,  
236.9376, 184.2104

■ 37.2986, 26.6458,  
13.7670

■ 37.2986, 26.6458,  
13.7670

■ 34.6062, 22.6328,  
8.6415

■ 40.7650, 31.7488,  
20.5639

■ 32.6261, 19.6262,  
5.0413

■ 45.0569, 38.0087,  
29.1589

■ 31.2901, 17.5376,  
2.7973

■ 50.2237, 45.4922,  
39.6678

■ 30.5118, 16.2593,  
1.6796

■ 56.3103, 54.2595,  
52.1964

■ 30.3890, 16.0594,  
1.4981

■ 63.3585, 64.3671,  
66.8429

■ 71.4075, 75.8679,  
83.6988

■ 80.4945, 88.8120,  
102.8505

■ 83.9340, 94.2695,  
108.3798

# Harmonies

## Analogous

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



39.8684, 26.6458, 27.4429



37.2986, 26.6458, 13.7670



31.4870, 26.6458, 7.5092

# Triad

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



37.2986, 26.6458, 13.7670



15.8247, 26.6458, 15.5216



25.8885, 26.6458, 81.0213

# Complementary

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



37.2986, 26.6458, 13.7670



40.8459, 53.7436, 77.3276

# 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.



20.0262, 26.6458, 73.4180



37.2986, 26.6458, 13.7670



14.8353, 26.6458, 30.6414

# Square

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



37.2986, 26.6458, 13.7670



19.2106, 26.6458, 8.1775



16.2363, 26.6458, 52.6853



32.6185, 26.6458, 70.4885



# Rectangle

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



37.2986, 26.6458, 13.7670



26.9646, 26.6458, 6.1050



16.2363, 26.6458, 52.6853



23.7552, 26.6458, 80.5026

# Sweetspot

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



37.2992, 26.6472, 13.7675



77.5628, 74.9622, 72.4373



45.9265, 28.2550, 64.8803



16.2152, 15.4895, 14.7055



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.



37.2992, 26.6472, 13.7675



46.7954, 30.1098, 10.7521



46.2705, 44.5898, 16.7579



13.8101, 13.9062, 14.2631



18.0860, 9.6100, 0.9017



1.2896, 0.7380, 0.0745



# Inverse Universe

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



40.8459, 53.7436, 77.3276



51.9978, 70.3228, 105.4408



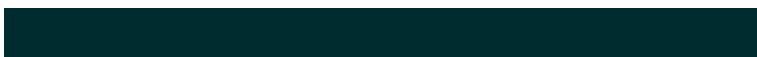
28.2866, 28.6250, 73.1412



14.0009, 15.3410, 17.6109



20.3065, 28.0826, 45.3986



1.4400, 2.0115, 3.1576



# Previews

## White Background



This preview shows how the XYZ color 37.2986, 26.6458, 13.7670 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 37.2986, 26.6458, 13.7670 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 37.2986, 26.6458, 13.7670**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2986, 26.6458, 13.7670.



This preview shows how white text looks on a background with the XYZ color 37.2986, 26.6458,



# 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

37.2986, 26.6458, 13.7670

### Protanopia

25.0477, 26.7332, 18.3079

### Deuteranopia

27.2617, 26.7071, 13.1693



## Tritanopia

38.2510, 26.7363, 18.1835

# Trichromacy



## Original Color

37.2986, 26.6458, 13.7670

## Protanomaly

28.3493, 25.7849, 16.5795

## Deuteranomaly

30.3312, 26.1178, 13.3401

## Tritanomaly

38.0328, 26.8110, 16.5351

# Monochromacy



## Original Color

37.2986, 26.6458, 13.7670

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

27.5267, 25.0438, 22.1220

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2986, 26.6458, 13.7670 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, 106, 94)` looks like.

```
.text, #text, p{  
    color:rgb(222, 106, 94)  
}
```

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, 106, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 106, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2986, 26.6458, 13.7670 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, 106, 94) }
```



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

```
.border{ border-color:rgb(222, 106, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 106, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 106, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 106, 94);  
box-shadow:4px 4px 4px 4px rgb(222, 106,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2986, 26.6458, 13.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 106, 94) }
```

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

```
.background{ background-color: rgb(222,  
106, 94) }
```

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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