

Converting Colors

XYZ(37.6485, 25.9635, 10.6920)

Have a look what the booklet for
XYZ(37.6485, 25.9635, 10.6920)
contains.

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Color

**XYZ(37.6837, 26.0244,
10.6265)**

Conversions

Conversions Part 1

Format	Color
Hex	E36450
RGB	227, 100, 80
RGB Percent	89%, 39%, 31%
CMY	0.1098, 0.6078, 0.6863
CMYK	0.00, 0.56, 0.65, 0.11
HSL	8°, 72%, 60%
HSV	8°, 65%, 89%
XYZ	37.6837, 26.0244, 10.6265
YIQ	135.6930, 82.1120, 20.7040

Conversions

Conversions Part 2

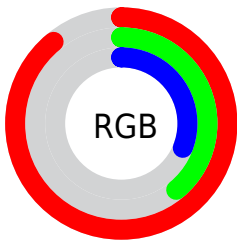
Format	Color
R_{YB}	227, 103, 80
Decimal	14902352
CIE _{Lab}	58.06, 48.09, 35.61
CIE _{LCh}	58, 59.840, 36.517
Yxy	26.0244, 0.5069, 0.3501
Android (android.graphics.Color)	4293092432 (0xFFE36450)
YUV	135.6930, -27.4566, 80.0762
Hunter-Lab	51.0141, 42.5818, 23.3595

Details

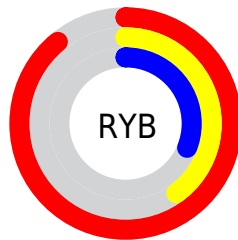
The XYZ color **37.6837, 26.0244, 10.6265** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **39.4845, 51.8738, 80.6043**, and the grayscale version is **23.3657, 24.5825, 26.7704**.

A 20% lighter version of the original color is **56.8249, 45.9829, 26.9997**, and **16.9916, 10.1765, 2.5821** is the 20% darker color. If you saturate the color by 10%, you get **35.3223, 22.4249, 6.3772**, and if you desaturate by 10%, it is **40.7822, 30.6454, 16.5191**.

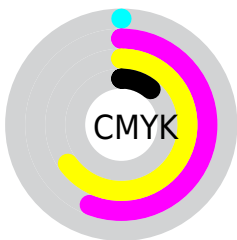
Distribution



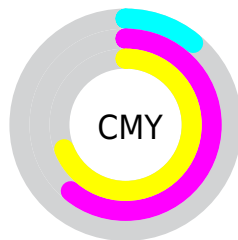
- Red (89%)
- Green (39%)
- Blue (31%)



- Red (89%)
- Yellow (40%)
- Blue (31%)



- Cyan (0%)
- Magenta (56%)
- Yellow (65%)
- Black (11%)




- Cyan (11%)
- Magenta (61%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6837, 26.0244, 10.6265 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 37.6837, 26.0244, 10.6265 by changing the saturation by 10% instead.


 37.6837, 26.0244,
10.6265


 37.6837, 26.0244,
10.6265


327.5655,
282.9018, 205.7315


 25.9134, 16.8419,
5.7053


 70.9301, 53.3143,
27.5934

 16.8912, 10.1218,
2.6008


 93.1369, 72.1905,
40.4762


 10.2518, 5.4798,
0.8929


 119.5532, 95.0667,
56.8499

 5.6298, 2.5314,
0.0000

 150.5445,
122.3273, 77.1331

 2.6598, 0.8923,
0.0000

 186.4760,
154.3568, 101.7443

 0.9765, 0.0000,
0.0000

227.7131,

 0.0000, 0.0000,

191.5394, 131.1021

0.0000

274.6212,
234.2596, 165.6250

■ 37.6837, 26.0244,
10.6265

■ 37.6837, 26.0244,
10.6265

■ 35.3223, 22.4249,
6.3772

■ 40.7822, 30.6454,
16.5191

■ 33.6333, 19.7646,
3.6015

■ 44.6715, 36.3533,
24.1991

■ 32.5432, 17.9552,
2.0952

■ 49.4022, 43.2131,
33.7961

■ 32.1656, 17.3053,
1.6449

■ 55.0201, 51.2835,
45.4275

■ 61.5678, 60.6191,
59.2012

■ 69.0851, 71.2712,
75.2175

■ 77.6093, 83.2882,
93.5703

■ 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.



41.2896, 26.0244, 24.0510



37.6837, 26.0244, 10.6265



30.7028, 26.0244, 5.2526

Triad

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



37.6837, 26.0244, 10.6265



14.0450, 26.0244, 15.2414



26.3479, 26.0244, 89.2061

Complementary

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



37.6837, 26.0244, 10.6265



39.4845, 51.8738, 80.6043

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.



19.5961, 26.0244, 82.8298



37.6837, 26.0244, 10.6265



13.3292, 26.0244, 33.1022

Square

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



37.6837, 26.0244, 10.6265



17.3470, 26.0244, 6.8638



15.1556, 26.0244, 59.2673



33.9705, 26.0244, 73.9261

Rectangle

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



37.6837, 26.0244, 10.6265



25.5902, 26.0244, 4.2721



15.1556, 26.0244, 59.2673



23.8998, 26.0244, 89.6015

Sweetspot

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



37.6843, 26.0258, 10.6269



76.2780, 73.4040, 68.8916



45.8586, 26.5929, 62.0039



15.8077, 14.9711, 13.6552



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.



37.6843, 26.0258, 10.6269



45.0626, 27.7591, 6.7372



48.0892, 46.8356, 14.0952



14.5344, 14.6826, 14.9724



18.8078, 10.1897, 0.9755



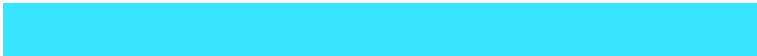
1.4406, 0.8545, 0.0890

Inverse Universe

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



39.4845, 51.8738, 80.6043



47.4105, 63.5117, 104.3679



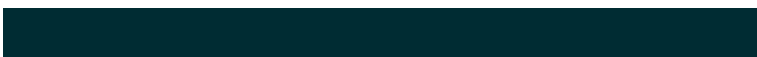
25.6848, 24.2743, 76.0043



14.6314, 15.9842, 18.4584



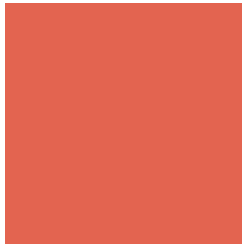
19.6758, 26.4138, 46.4445



1.5004, 2.0448, 3.4476

Previews

White Background



This preview shows how the XYZ color 37.6837, 26.0244, 10.6265 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 37.6837, 26.0244, 10.6265 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 37.6837, 26.0244, 10.6265

Background



This preview shows how black text looks on a background with the XYZ color 37.6837, 26.0244, 10.6265.



This preview shows how white text looks on a background with the XYZ color 37.6837, 26.0244,

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

37.6837, 26.0244, 10.6265

Protanopia

24.3925, 26.2578, 14.6091

Deuteranopia

26.6368, 26.0401, 10.1009



Tritanopia

38.7178, 26.0226, 15.8142

Trichromacy



Original Color

37.6837, 26.0244, 10.6265

Protanomaly

27.7695, 24.9891, 13.0326

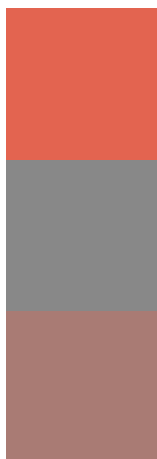
Deuteranomaly

29.8801, 25.4030, 10.1659

Tritanomaly

38.4281, 26.0556, 13.8303

Monochromacy



Original Color

37.6837, 26.0244, 10.6265

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

26.5975, 23.8619, 19.7270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6837, 26.0244, 10.6265 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, 100, 80)` looks like.

```
.text, #text, p{  
    color:rgb(227, 100, 80)  
}
```

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, 100, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 100, 80) }
```

Border

The CSS property to change the border of an element to XYZ 37.6837, 26.0244, 10.6265 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, 100, 80) }
```


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

```
.border{ border-color:rgb(227, 100, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 100, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 100, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 100, 80);  
box-shadow:4px 4px 4px 4px rgb(227, 100,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6837, 26.0244, 10.6265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 100, 80) }
```

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

```
.background{ background-color: rgb(227,  
100, 80) }
```

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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