

Converting Colors

XYZ(37.6776, 26.4362, 7.4673)

Have a look what the booklet for
XYZ(37.6776, 26.4362, 7.4673)
contains.

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Color

**XYZ(37.5886, 26.3336,
7.5166)**

Conversions

Conversions Part 1

Format	Color
Hex	E4663D
RGB	228, 102, 61
RGB Percent	89%, 40%, 24%
CMY	0.1059, 0.6000, 0.7608
CMYK	0.00, 0.55, 0.73, 0.11
HSL	15°, 76%, 57%
HSV	15°, 73%, 89%
XYZ	37.5886, 26.3336, 7.5166
YIQ	135.0000, 88.2570, 13.9610

Conversions

Conversions Part 2

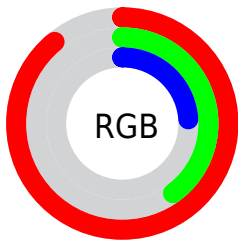
Format	Color
R _Y B	228, 115, 61
Decimal	14968381
CIE Lab	58.35, 46.52, 46.15
CIE LCh	58, 65.530, 44.768
Yxy	26.3336, 0.5262, 0.3686
Android (android.graphics.Color)	4293158461 (0xFFE4663D)
YUV	135.0000, -36.4820, 81.5610
Hunter-Lab	51.3163, 40.9458, 27.2368

Details

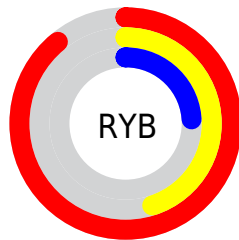
The XYZ color **37.5886, 26.3336, 7.5166** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **33.6969, 42.1312, 79.7545**, and the grayscale version is **23.1382, 24.3432, 26.5097**.

A 20% lighter version of the original color is **55.9429, 46.1627, 20.7136**, and **16.8968, 10.3327, 1.4846** is the 20% darker color. If you saturate the color by 10%, you get **35.5811, 23.1017, 4.4345**, and if you desaturate by 10%, it is **40.2089, 30.3743, 12.0903**.

Distribution



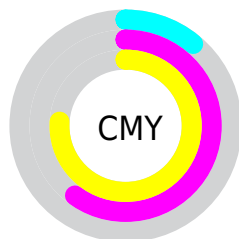
- Red (89%)
- Green (40%)
- Blue (24%)



- Red (89%)
- Yellow (45%)
- Blue (24%)



- Cyan (0%)
- Magenta (55%)
- Yellow (73%)
- Black (11%)





- Cyan (11%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5886, 26.3336, 7.5166 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 37.5886, 26.3336, 7.5166 by changing the saturation by 10% instead.


 37.5886, 26.3336,
7.5166


 37.5886, 26.3336,
7.5166


327.1633,
284.4159, 181.6804


 25.8393, 17.0734,
3.7039


 70.7851, 53.8126,
21.5355

 16.8355, 10.2868,
1.4644


 92.9630, 72.8002,
32.5788


 10.2119, 5.5895,
0.1912


 119.3479, 95.7991,
46.8694

 5.6030, 2.5971,
0.0000

 150.3050,
123.1936, 64.8258

 2.6436, 0.9252,
0.0000

 186.1997,
155.3681, 86.8665

 0.9682, 0.0000,
0.0000

 227.3975,

 0.0000, 0.0000,

192.7071, 113.4102

0.0000

274.2635,
235.5949, 144.8753

■ 37.5886, 26.3336,
7.5166

■ 37.5886, 26.3336,
7.5166

■ 35.5811, 23.1017,
4.4345

■ 40.2089, 30.3743,
12.0903

■ 34.1272, 20.6161,
2.6477


■ 43.4897, 35.2712,
18.3160


■ 33.4082, 19.3208,
1.9685


■ 47.4755, 41.0728,
26.3345


■ 52.2064, 47.8228,
36.2713

■ 57.7191, 55.5618,
48.2403

 64.0479, 64.3280,
62.3466

 71.2251, 74.1577,
78.6880

 79.2810, 85.0853,
97.3562

 85.8047, 95.2339,
108.4673

Harmonies

Analogous

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



43.0043, 26.3336, 18.8613



37.5886, 26.3336, 7.5166



29.2836, 26.3336, 3.7318

Triad

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



37.5886, 26.3336, 7.5166



12.9457, 26.3336, 18.6025



29.1505, 26.3336, 95.6708

Complementary

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



37.5886, 26.3336, 7.5166



33.6969, 42.1312, 79.7545

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.



21.2084, 26.3336, 95.4653



37.5886, 26.3336, 7.5166



12.9250, 26.3336, 41.4054

Square

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



37.5886, 26.3336, 7.5166



15.6990, 26.3336, 7.4140



15.6348, 26.3336, 72.1243



37.4735, 26.3336, 72.5907

Rectangle

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



37.5886, 26.3336, 7.5166



23.7746, 26.3336, 3.3855



15.6348, 26.3336, 72.1243



26.3273, 26.3336, 98.6039

Sweetspot

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



37.5892, 26.3351, 7.5170



75.2499, 72.8042, 64.0585



42.8525, 23.5071, 50.4418



15.6629, 14.9643, 12.7351



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.



37.5892, 26.3351, 7.5170



44.7861, 27.9648, 4.3061



49.8670, 50.8906, 11.6096



14.6630, 14.9399, 15.0153



19.3694, 11.3130, 1.1627



1.5031, 0.9796, 0.1099

Inverse Universe

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



33.6969, 42.1312, 79.7545



39.2339, 48.7667, 101.9528



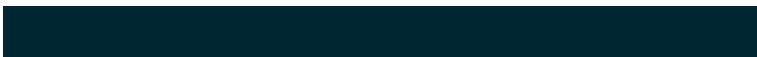
21.0342, 16.8058, 75.5336



14.4920, 15.7053, 18.4120



16.7041, 20.4703, 45.4539



1.3060, 1.6559, 3.3828

Previews

White Background



This preview shows how the XYZ color 37.5886, 26.3336, 7.5166 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 37.5886, 26.3336, 7.5166 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 37.5886, 26.3336, 7.5166

Background



This preview shows how black text looks on a background with the XYZ color 37.5886, 26.3336, 7.5166.



This preview shows how white text looks on a background with the XYZ color 37.5886, 26.3336,

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

37.5886, 26.3336, 7.5166

Protanopia

24.2450, 26.4994, 10.1404

Deuteranopia

26.8469, 26.4212, 7.0530



Tritanopia

39.3560, 26.3517, 15.8441

Trichromacy



Original Color

37.5886, 26.3336, 7.5166

Protanomaly

27.9550, 25.5535, 9.0892

Deuteranomaly

29.9215, 25.6739, 7.1199

Tritanomaly

38.5364, 26.2863, 12.2752

Monochromacy



Original Color

37.5886, 26.3336, 7.5166

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

26.1519, 23.6836, 17.3804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5886, 26.3336, 7.5166 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(228, 102, 61)` looks like.

```
.text, #text, p{  
    color:rgb(228, 102, 61)  
}
```

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(228, 102, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 102, 61) }
```

Border

The CSS property to change the border of an element to XYZ 37.5886, 26.3336, 7.5166 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(228, 102, 61) }
```


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

```
.border{ border-color:rgb(228, 102, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 102, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 102, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 102, 61);  
box-shadow:4px 4px 4px 4px rgb(228, 102,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5886, 26.3336, 7.5166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 102, 61) }
```

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

```
.background{ background-color: rgb(228,  
102, 61) }
```

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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