

Converting Colors

XYZ(41.7564, 31.1046, 7.5349)

Have a look what the booklet for
XYZ(41.7564, 31.1046, 7.5349)
contains.

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Color

**XYZ(41.7843, 31.0753,
7.5372)**

Conversions

Conversions Part 1

Format	Color
Hex	EC7638
RGB	236, 118, 56
RGB Percent	93%, 46%, 22%
CMY	0.0745, 0.5372, 0.7804
CMYK	0.00, 0.50, 0.76, 0.07
HSL	21°, 83%, 57%
HSV	21°, 76%, 93%
XYZ	41.7843, 31.0753, 7.5372
YIQ	146.2140, 90.2300, 5.7340

Conversions

Conversions Part 2

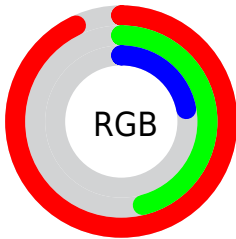
Format	Color
R _{YB}	236, 151, 56
Decimal	15496760
CIE _{Lab}	62.57, 41.52, 53.35
CIE _{LCh}	63, 67.599, 52.109
Y _{xy}	31.0753, 0.5197, 0.3865
Android (android.graphics.Color)	4293686840 (0xFFEC7638)
Y _{UV}	146.2140, -44.4755, 78.7423
Hunter-Lab	55.7452, 36.2420, 31.0052

Details

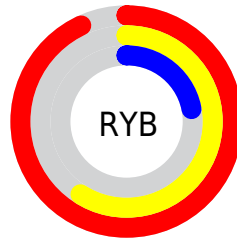
The XYZ color **41.7843, 31.0753, 7.5372** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **31.9058, 37.1662, 84.8484**, and the grayscale version is **27.5614, 28.9967, 31.5775**.

A 20% lighter version of the original color is **58.6464, 51.8266, 20.8224**, and **19.4038, 12.8951, 1.4663** is the 20% darker color. If you saturate the color by 10%, you get **39.6624, 27.5480, 4.6222**, and if you desaturate by 10%, it is **44.4782, 35.3123, 11.9842**.

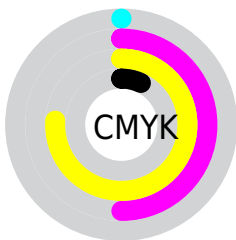
Distribution



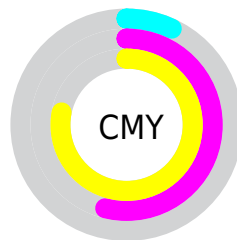
- Red (93%)
- Green (46%)
- Blue (22%)



- Red (93%)
- Yellow (59%)
- Blue (22%)



- Cyan (0%)
- Magenta (50%)
- Yellow (76%)
- Black (7%)





- Cyan (7%)
- Magenta (54%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7843, 31.0753, 7.5372 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 41.7843, 31.0753, 7.5372 by changing the saturation by 10% instead.


 41.7843, 31.0753,
7.5372


 41.7843, 31.0753,
7.5372


344.5949,
306.8851, 181.8525

 29.1228, 20.6562,
3.7168


 77.1403, 61.3586,
21.5770

 19.3185, 12.8729,
1.4713


 100.5655, 81.9916,
32.6335


 12.0060, 7.3411,
0.1964


 128.3093,
106.7980, 46.9391

 6.8200, 3.6763,
0.0000

 160.7370,
136.1622, 64.9123

 3.3951, 1.4942,
0.0000

 198.2141,
170.4686, 86.9718

 1.3660, 0.2846,
0.0000

 241.1059,

 0.2318, 0.0000,

210.1017, 113.5359

0.0000

289.7777,
255.4457, 145.0233

■ 0.0000, 0.0000,
0.0000

■ 41.7843, 31.0753,
7.5372

■ 41.7843, 31.0753,
7.5372

■ 39.6624, 27.5480,
4.6222

■ 44.4782, 35.3123,
11.9842

■ 38.0537, 24.6794,
3.0107


■ 47.7893, 40.2945,
18.1439


■ 37.5564, 23.7620,
2.6071


■ 51.7601, 46.0607,
26.1734


■ 56.4279, 52.6451,
36.2113

■ 61.8274, 60.0798,
48.3829

 67.9906, 68.3950,
62.8032

 74.9474, 77.6192,
79.5790

 82.7262, 87.7799,
98.8100

 88.4018, 96.5727,
108.5889

Harmonies

Analogous

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



49.1389, 31.0753, 18.1277



41.7843, 31.0753, 7.5372



32.0313, 31.0753, 4.3763

Triad

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



41.7843, 31.0753, 7.5372



15.2526, 31.0753, 27.3475



36.7055, 31.0753, 105.8021

Complementary

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



41.7843, 31.0753, 7.5372



31.9058, 37.1662, 84.8484

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.



27.1740, 31.0753, 112.8939



41.7843, 31.0753, 7.5372



15.9937, 31.0753, 56.7048

Square

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



41.7843, 31.0753, 7.5372



17.6615, 31.0753, 11.2870



19.9511, 31.0753, 91.6184



45.8081, 31.0753, 75.4518

Rectangle

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



41.7843, 31.0753, 7.5372



25.9791, 31.0753, 4.5440



19.9511, 31.0753, 91.6184



33.4039, 31.0753, 111.4543

Sweetspot

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



41.7850, 31.0770, 7.5377



75.9417, 74.6576, 62.8415



43.8425, 23.7958, 43.3566



15.7103, 15.2401, 12.1931



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.



41.7850, 31.0770, 7.5377



46.0445, 30.6613, 4.1721



57.3768, 62.2607, 12.7350



15.4897, 15.9025, 15.7718



20.8105, 13.3153, 1.4733



1.7209, 1.2191, 0.1446

Inverse Universe

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



31.9058, 37.1662, 84.8484



33.5183, 37.7162, 100.1211



20.0991, 13.5526, 80.9128



15.0555, 16.1975, 19.2552



14.9046, 16.4561, 46.1338



1.2594, 1.4703, 3.6523

Previews

White Background



This preview shows how the XYZ color 41.7843, 31.0753, 7.5372 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 41.7843, 31.0753, 7.5372 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 ✓ Pass

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

XYZ 41.7843, 31.0753, 7.5372

Background



This preview shows how black text looks on a background with the XYZ color 41.7843, 31.0753, 7.5372.



This preview shows how white text looks on a background with the XYZ color 41.7843, 31.0753,

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

41.7843, 31.0753, 7.5372

Protanopia

28.5738, 31.2848, 9.6868

Deuteranopia

31.7420, 31.1071, 7.1276



Tritanopia

44.6108, 31.0515, 21.0951

Trichromacy



Original Color

41.7843, 31.0753, 7.5372

Protanomaly

32.2399, 30.4414, 8.7340

Deuteranomaly

34.9936, 30.8324, 7.2388

Tritanomaly

43.3885, 31.0563, 14.7740

Monochromacy



Original Color

41.7843, 31.0753, 7.5372

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

30.3752, 28.3843, 19.5006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7843, 31.0753, 7.5372 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(236, 118, 56)` looks like.

```
.text, #text, p{  
    color:rgb(236, 118, 56)  
}
```

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(236, 118, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 118, 56) }
```

Border

The CSS property to change the border of an element to XYZ 41.7843, 31.0753, 7.5372 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(236, 118, 56) }
```


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

```
.border{ border-color:rgb(236, 118, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 118, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 118, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 118, 56);  
box-shadow:4px 4px 4px 4px rgb(236, 118,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7843, 31.0753, 7.5372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 118, 56) }
```

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

```
.background{ background-color: rgb(236,  
118, 56) }
```

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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