

Converting Colors

XYZ(37.8040, 25.8712, 7.2434)

Have a look what the booklet for
XYZ(37.8040, 25.8712, 7.2434)
contains.

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Color

**XYZ(37.8164, 25.8846,
7.2780)**

Conversions

Conversions Part 1

Format	Color
Hex	E6623C
RGB	230, 98, 60
RGB Percent	90%, 38%, 24%
CMY	0.0980, 0.6157, 0.7647
CMYK	0.00, 0.57, 0.74, 0.10
HSL	13°, 77%, 57%
HSV	13°, 74%, 90%
XYZ	37.8164, 25.8846, 7.2780
YIQ	133.1360, 90.8700, 16.1660

Conversions

Conversions Part 2

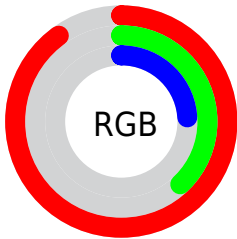
Format	Color
R_{YB}	230, 109, 60
Decimal	15098428
CIE _{Lab}	57.93, 49.10, 46.29
CIE _{LCh}	58, 67.480, 43.317
Yxy	25.8846, 0.5328, 0.3647
Android (android.graphics.Color)	4293288508 (0xFFE6623C)
YUV	133.1360, -36.0560, 84.9497
Hunter-Lab	50.8769, 43.6430, 27.1323

Details

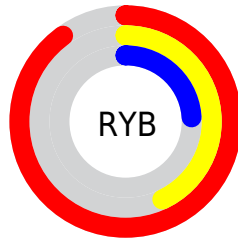
The XYZ color **37.8164, 25.8846, 7.2780** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **34.9942, 44.3695, 81.5821**, and the grayscale version is **22.4489, 23.6180, 25.7200**.

A 20% lighter version of the original color is **55.2286, 44.8206, 20.2084**, and **16.8666, 9.9698, 1.3832** is the 20% darker color. If you saturate the color by 10%, you get **35.8465, 22.7159, 4.2456**, and if you desaturate by 10%, it is **40.4242, 29.9073, 11.8259**.

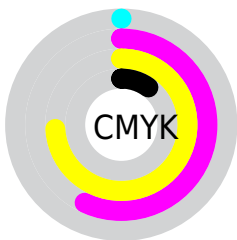
Distribution



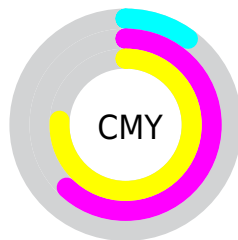
- Red (90%)
- Green (38%)
- Blue (24%)



- Red (90%)
- Yellow (43%)
- Blue (24%)



- Cyan (0%)
- Magenta (57%)
- Yellow (74%)
- Black (10%)





- Cyan (10%)
- Magenta (62%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8164, 25.8846, 7.2780 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 37.8164, 25.8846, 7.2780 by changing the saturation by 10% instead.


 37.8164, 25.8846,
7.2780


 37.8164, 25.8846,
7.2780


328.1262,
282.2151, 179.6717


 26.0168, 16.7373,
3.5555


 71.1324, 53.0887,
21.0526

 16.9689, 10.0474,
1.3848


 93.3794, 71.9144,
31.9419

 10.3075, 5.4304,
0.1298


 119.8397, 94.7349,
46.0571

 5.6672, 2.5019,
0.0000

 150.8784,
121.9348, 63.8168

 2.6825, 0.8776,
0.0000

 186.8611,
153.8983, 85.6396

 0.9882, 0.0000,
0.0000

 228.1531,

 0.0000, 0.0000,

191.0100, 111.9440

0.0000

275.1197,
233.6541, 143.1485

■ 37.8164, 25.8846,
7.2780

■ 37.8164, 25.8846,
7.2780

■ 35.8465, 22.7159,
4.2456

■ 40.4242, 29.9073,
11.8259

■ 34.4508, 20.3318,
2.5242


■ 43.7214, 34.8374,
18.0558


■ 33.8352, 19.2276,
1.9280


■ 47.7558, 40.7287,
26.1136


■ 52.5703, 47.6295,
36.1287

■ 58.2042, 55.5848,
48.2190

 64.6943, 64.6368,
62.4928

 72.0751, 74.8253,
79.0509

 80.3789, 86.1882,
97.9878

 86.4429, 95.5629,
108.4972

Harmonies

Analogous

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



43.1617, 25.8846, 19.0793



37.8164, 25.8846, 7.2780



29.3677, 25.8846, 3.3744

Triad

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



37.8164, 25.8846, 7.2780



12.4622, 25.8846, 17.1878



28.3813, 25.8846, 98.0376

Complementary

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



37.8164, 25.8846, 7.2780



34.9942, 44.3695, 81.5821

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.



20.3829, 25.8846, 96.4840



37.8164, 25.8846, 7.2780



12.3119, 25.8846, 39.8034

Square

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



37.8164, 25.8846, 7.2780



15.3621, 25.8846, 6.5500



14.8929, 25.8846, 71.3969



36.9585, 25.8846, 74.9072

Rectangle

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



37.8164, 25.8846, 7.2780



23.7091, 25.8846, 2.9537



14.8929, 25.8846, 71.3969



25.5181, 25.8846, 100.6518

Sweetspot

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



37.8170, 25.8861, 7.2784



74.9416, 72.1876, 63.9557



43.8930, 23.9124, 52.8515



15.5911, 14.8209, 12.7112



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.



37.8170, 25.8861, 7.2784



44.2311, 26.9058, 3.9639



50.1423, 50.5367, 11.3869



14.6370, 14.8879, 15.0067



19.2307, 11.0356, 1.1165



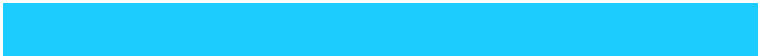
1.4896, 0.9525, 0.1053

Inverse Universe

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



34.9942, 44.3695, 81.5821



40.1849, 50.7768, 102.2907



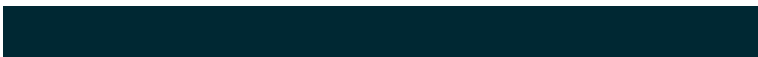
21.5266, 17.4342, 77.0929



14.5198, 15.7610, 18.4212



17.2598, 21.5817, 45.6392



1.3428, 1.7296, 3.3950

Previews

White Background



This preview shows how the XYZ color 37.8164, 25.8846, 7.2780 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 37.8164, 25.8846, 7.2780 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 37.8164, 25.8846, 7.2780

Background



This preview shows how black text looks on a background with the XYZ color 37.8164, 25.8846, 7.2780.



This preview shows how white text looks on a background with the XYZ color 37.8164, 25.8846,

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

37.8164, 25.8846, 7.2780

Protanopia

23.9071, 26.1072, 10.0825

Deuteranopia

26.4629, 26.0217, 6.8767



Tritanopia

39.4452, 25.8854, 14.7218

Trichromacy



Original Color

37.8164, 25.8846, 7.2780

Protanomaly

27.6684, 25.0297, 8.8418

Deuteranomaly

29.6542, 25.1781, 6.9113

Tritanomaly

38.6869, 25.8292, 11.5408

Monochromacy



Original Color

37.8164, 25.8846, 7.2780

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.4664, 22.7984, 16.6940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8164, 25.8846, 7.2780 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(230, 98, 60)` looks like.

```
.text, #text, p{  
    color:rgb(230, 98, 60)  
}
```

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(230, 98, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 98, 60) }
```

Border

The CSS property to change the border of an element to XYZ 37.8164, 25.8846, 7.2780 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(230, 98, 60) }
```


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

```
.border{ border-color:rgb(230, 98, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 98, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 98, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 98, 60);  
box-shadow:4px 4px 4px 4px rgb(230, 98,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8164, 25.8846, 7.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 98, 60) }
```

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

```
.background{ background-color: rgb(230, 98,  
60) }
```

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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