

Converting Colors

XYZ(31.0379, 24.9965, 7.4126)

Have a look what the booklet for
XYZ(31.0379, 24.9965, 7.4126)
contains.

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Color

**XYZ(31.0337, 25.0052,
7.4658)**

Conversions

Conversions Part 1

Format	Color
Hex	C9733C
RGB	201, 115, 60
RGB Percent	79%, 45%, 24%
CMY	0.2118, 0.5490, 0.7647
CMYK	0.00, 0.43, 0.70, 0.21
HSL	23°, 57%, 51%
HSV	23°, 70%, 79%
XYZ	31.0337, 25.0052, 7.4658
YIQ	134.4440, 68.9110, 1.1270

Conversions

Conversions Part 2

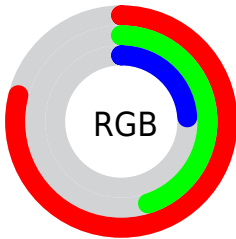
Format	Color
RYB	201, 150, 60
Decimal	13202236
CIELab	57.08, 29.30, 44.14
CIElCh	57, 52.979, 56.428
Yxy	25.0052, 0.4887, 0.3938
Android (android.graphics.Color)	4291392316 (0xFFC9733C)
YUV	134.4440, -36.7009, 58.3696
Hunter-Lab	50.0052, 23.2697, 26.1516

Details

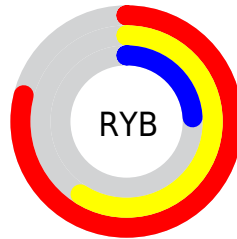
The XYZ color **31.0337, 25.0052, 7.4658** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **22.6842, 25.7339, 59.0295**, and the grayscale version is **22.9375, 24.1321, 26.2798**.

A 20% lighter version of the original color is **58.0571, 50.3911, 21.4184**, and **13.1583, 9.6691, 1.4600** is the 20% darker color. If you saturate the color by 10%, you get **29.2937, 22.2202, 4.7437**, and if you desaturate by 10%, it is **33.1625, 28.2453, 11.3132**.

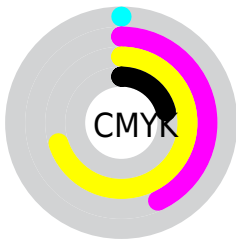
Distribution



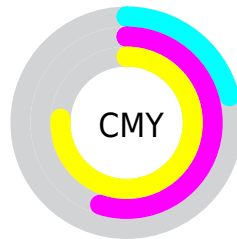
- Red (79%)
- Green (45%)
- Blue (24%)



- Red (79%)
- Yellow (59%)
- Blue (24%)



- Cyan (0%)
- Magenta (43%)
- Yellow (70%)
- Black (21%)



- Cyan (21%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0337, 25.0052, 7.4658 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 31.0337, 25.0052, 7.4658 by changing the saturation by 10% instead.

31.0337, 25.0052,
7.4658

31.0337, 25.0052,
7.4658

298.5177,
277.8638, 181.2551

20.7765, 16.0809,
3.6722

60.6686, 51.6657,
21.4329

13.0722, 9.5814,
1.4473

80.7770, 70.1706,
32.4436

7.5556, 5.1223,
0.1782

104.8998, 92.6380,
46.6971

3.8614, 2.3192,
0.0000

133.4024,
119.4521, 64.6119

1.6240, 0.7839,
0.0000

166.6501,
150.9973, 86.6065

0.4080, 0.0000,
0.0000

205.0083,

0.0000, 0.0000,

187.6581, 113.0996

0.0000

248.8424,
229.8188, 144.5096

■ 31.0337, 25.0052,
7.4658

■ 31.0337, 25.0052,
7.4658

■ 29.2937, 22.2202,
4.7437

■ 33.1625, 28.2453,
11.3132

■ 27.9092, 19.8622,
3.0154

■ 35.7058, 31.9586,
16.3945

■ 26.8409, 17.9248,
2.0452

■ 38.6886, 36.1667,
22.8071

■ 42.1333, 40.8884,
30.6380

■ 46.0605, 46.1415,
39.9666

■ 50.4896, 51.9429,
50.8667

■ 55.4388, 58.3086,
63.4070

■ 60.9253, 65.2541,
77.6520

■ 66.9655, 72.7941,
93.6628

Harmonies

Analogous

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



36.2036, 25.0052, 14.6232



31.0337, 25.0052, 7.4658



24.5216, 25.0052, 5.3219

Triad

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



31.0337, 25.0052, 7.4658



13.6950, 25.0052, 25.1423



29.5133, 25.0052, 71.0133

Complementary

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



31.0337, 25.0052, 7.4658



22.6842, 25.7339, 59.0295

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.



23.0274, 25.0052, 77.8988



31.0337, 25.0052, 7.4658



14.5644, 25.0052, 45.5505

Square

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



31.0337, 25.0052, 7.4658



15.1101, 25.0052, 12.3086



17.7331, 25.0052, 67.0358



35.2235, 25.0052, 50.9754

Rectangle

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



31.0337, 25.0052, 7.4658



20.5341, 25.0052, 5.7845



17.7331, 25.0052, 67.0358



27.3219, 25.0052, 75.2384

Sweetspot

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



31.0343, 25.0065, 7.4663



78.0474, 77.9218, 66.4632



30.9657, 17.7543, 29.3781



16.2900, 16.1259, 13.2301



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.



31.0343, 25.0065, 7.4663



48.8898, 35.9247, 6.4370



42.1577, 47.2534, 11.1741



10.9676, 11.3042, 11.1666



16.9598, 11.4369, 1.3137



0.8732, 0.6818, 0.0856

Inverse Universe

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



22.6842, 25.7339, 59.0295



33.6024, 36.9792, 99.9744



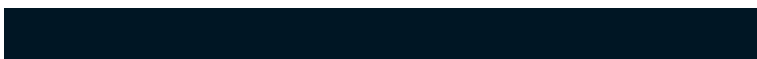
15.0218, 10.4090, 56.4753



10.5859, 11.3460, 13.5495



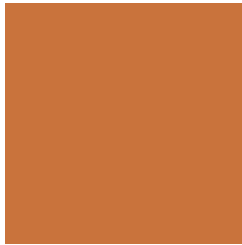
11.1414, 11.6768, 36.4110



0.5965, 0.6907, 1.7470

Previews

White Background



This preview shows how the XYZ color 31.0337, 25.0052, 7.4658 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 31.0337, 25.0052, 7.4658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

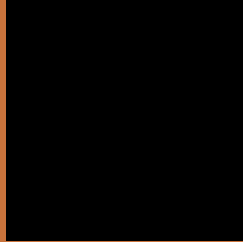
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0337, 25.0052, 7.4658

Background



This preview shows how black text looks on a background with the XYZ color 31.0337, 25.0052, 7.4658.



This preview shows how white text looks on a background with the XYZ color 31.0337, 25.0052,

7.4658.

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

31.0337, 25.0052, 7.4658

Protanopia

23.0505, 25.2576, 8.9705

Deuteranopia

25.6247, 25.1760, 7.2503



Tritanopia

33.5229, 25.0356, 19.5885

Trichromacy



Original Color

31.0337, 25.0052, 7.4658

Protanomaly

25.4856, 24.8815, 8.3099

Deuteranomaly

27.3635, 24.9077, 7.2364

Tritanomaly

32.4244, 24.9099, 14.1655

Monochromacy



Original Color

31.0337, 25.0052, 7.4658

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.3438, 23.5094, 17.1646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0337, 25.0052, 7.4658 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(201, 115, 60)` looks like.

```
.text, #text, p{  
    color:rgb(201, 115, 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(201, 115, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 115, 60) }
```

Border

The CSS property to change the border of an element to XYZ 31.0337, 25.0052, 7.4658 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(201, 115, 60) }
```


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

```
.border{ border-color:rgb(201, 115, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 115, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 115, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 115, 60);  
box-shadow:4px 4px 4px 4px rgb(201, 115,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0337, 25.0052, 7.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 115, 60) }
```

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

```
.background{ background-color: rgb(201,  
115, 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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