

Converting Colors

XYZ(31.8811, 25.0773, 8.7903)

Have a look what the booklet for
XYZ(31.8811, 25.0773, 8.7903)
contains.

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Color

**XYZ(31.8811, 25.0773,
8.7903)**

Conversions

Conversions Part 1

Format	Color
Hex	CC7145
RGB	204, 113, 69
RGB Percent	80%, 44%, 27%
CMY	0.2000, 0.5568, 0.7294
CMYK	0.00, 0.45, 0.66, 0.20
HSL	20°, 57%, 54%
HSV	20°, 66%, 80%
XYZ	31.8811, 25.0773, 8.7903
YIQ	135.1930, 68.3600, 5.6080

Conversions

Conversions Part 2

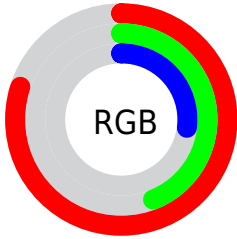
Format	Color
RYB	204, 134, 69
Decimal	13398341
CIELab	57.15, 32.10, 39.68
CIELCh	57, 51.040, 51.030
Yxy	25.0773, 0.4849, 0.3814
Android (android.graphics.Color)	4291588421 (0xFFCC7145)
YUV	135.1930, -32.6331, 60.3437
Hunter-Lab	50.0772, 26.0048, 24.6466

Details

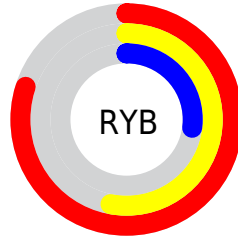
The XYZ color **31.8811, 25.0773, 8.7903** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **25.9231, 30.7645, 61.6981**, and the grayscale version is **23.2012, 24.4094, 26.5819**.

A 20% lighter version of the original color is **58.2060, 49.8643, 24.0098**, and **13.5994, 9.6327, 1.9016** is the 20% darker color. If you saturate the color by 10%, you get **29.9338, 22.0280, 5.5360**, and if you desaturate by 10%, it is **34.2797, 28.6812, 13.2691**.

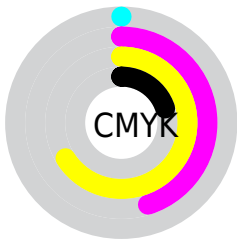
Distribution



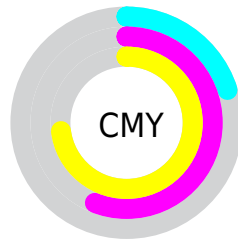
- Red (80%)
- Green (44%)
- Blue (27%)



- Red (80%)
- Yellow (53%)
- Blue (27%)



- Cyan (0%)
- Magenta (45%)
- Yellow (66%)
- Black (20%)





- Cyan (20%)
- Magenta (56%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8811, 25.0773, 8.7903 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 31.8811, 25.0773, 8.7903 by changing the saturation by 10% instead.


 31.8811, 25.0773,
8.7903


 31.8811, 25.0773,
8.7903

302.3322,
278.2227, 191.9659

 21.4258, 16.1347,
4.5097


 61.9911, 51.7826,
24.0650

 13.5498, 9.6195,
1.9089


 82.3765, 70.3140,
35.8963

 7.8878, 5.1474,
0.4984


 106.8027, 92.8105,
51.0815

 4.0745, 2.3340,
0.0000

 135.6349,
119.6565, 70.0392

 1.7443, 0.7916,
0.0000

 169.2387,
151.2363, 93.1879

 0.4838, 0.0000,
0.0000

207.9792,

 0.0000, 0.0000,

187.9343, 120.9463

0.0000

252.2219,
230.1350, 153.7327

■ 31.8811, 25.0773,
8.7903

■ 31.8811, 25.0773,
8.7903

■ 29.9338, 22.0280,
5.5360

■ 34.2797, 28.6812,
13.2691

■ 28.4021, 19.4990,
3.3780

■ 37.1576, 32.8633,
19.0800

■ 27.2460, 17.4576,
2.1577

■ 40.5425, 37.6505,
26.3204

■ 26.8790, 16.7920,
1.8245

■ 44.4591, 43.0666,
35.0780

■ 48.9307, 49.1342,
45.4335

■ 53.9788, 55.8746,
57.4617

■ 59.6239, 63.3082,
71.2329

■ 65.8855, 71.4545,
86.8131

■ 72.7819, 80.3321,
104.2649

Harmonies

Analogous

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



36.3538, 25.0773, 17.0527



31.8811, 25.0773, 8.7903



25.6858, 25.0773, 5.9056

Triad

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



31.8811, 25.0773, 8.7903



14.1325, 25.0773, 22.4557



28.2350, 25.0773, 71.4061

Complementary

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



31.8811, 25.0773, 8.7903



25.9231, 30.7645, 61.6981

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.



22.0757, 25.0773, 74.8829



31.8811, 25.0773, 8.7903



14.5814, 25.0773, 41.0124

Square

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



31.8811, 25.0773, 8.7903



15.9210, 25.0773, 11.3126



17.2715, 25.0773, 62.0380



34.0147, 25.0773, 53.9095

Rectangle

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



31.8811, 25.0773, 8.7903



21.6885, 25.0773, 5.9805



17.2715, 25.0773, 62.0380



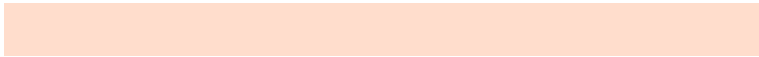
26.1191, 25.0773, 74.4780

Sweetspot

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



31.8817, 25.0786, 8.7908



77.8965, 77.1344, 67.9096



33.4849, 19.6757, 35.8668



16.2247, 15.9010, 13.4989



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.



31.8817, 25.0786, 8.7908



48.5179, 34.7673, 7.5885



42.1460, 45.6073, 12.2122



11.5060, 11.8009, 11.7508



16.9940, 10.7211, 1.1737



0.9458, 0.6913, 0.0836

Inverse Universe

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



25.9231, 30.7645, 61.6981



37.8168, 44.5308, 101.2099



17.3339, 13.5860, 58.8350



11.2231, 12.0866, 14.3118



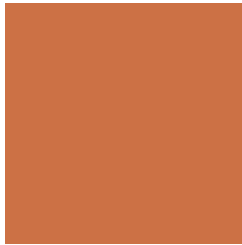
12.6234, 14.2708, 38.0455



0.7185, 0.8707, 1.9851

Previews

White Background



This preview shows how the XYZ color 31.8811, 25.0773, 8.7903 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 31.8811, 25.0773, 8.7903 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 31.8811, 25.0773, 8.7903

Background



This preview shows how black text looks on a background with the XYZ color 31.8811, 25.0773, 8.7903.



This preview shows how white text looks on a background with the XYZ color 31.8811, 25.0773,

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

31.8811, 25.0773, 8.7903

Protanopia

23.1905, 25.2921, 10.6808

Deuteranopia

25.6480, 25.1603, 8.5057



Tritanopia

34.0843, 25.0186, 19.2523

Trichromacy



Original Color

31.8811, 25.0773, 8.7903

Protanomaly

25.6639, 24.7410, 9.9014

Deuteranomaly

27.4824, 24.7537, 8.4837

Tritanomaly

33.1268, 24.9409, 14.6234

Monochromacy



Original Color

31.8811, 25.0773, 8.7903

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.9558, 23.8000, 18.3175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8811, 25.0773, 8.7903 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(204, 113, 69)` looks like.

```
.text, #text, p{  
    color:rgb(204, 113, 69)  
}
```

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(204, 113, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 113, 69) }
```

Border

The CSS property to change the border of an element to XYZ 31.8811, 25.0773, 8.7903 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(204, 113, 69) }
```


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

```
.border{ border-color:rgb(204, 113, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 113, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 113, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 113, 69);  
box-shadow:4px 4px 4px 4px rgb(204, 113,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8811, 25.0773, 8.7903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 113, 69) }
```

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

```
.background{ background-color: rgb(204,  
113, 69) }
```

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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