

Converting Colors

XYZ(31.8051, 25.6475, 13.4654)

Have a look what the booklet for
XYZ(31.8051, 25.6475, 13.4654)
contains.

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Color

**XYZ(31.8462, 25.6374,
13.3952)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C7755C |
| RGB | 199, 117, 92 |
| RGB Percent | 78%, 46%, 36% |
| CMY | 0.2196, 0.5412, 0.6392 |
| CMYK | 0.00, 0.41, 0.54, 0.22 |
| HSL | 14°, 49%, 57% |
| HSV | 14°, 54%, 78% |
| XYZ | 31.8462, 25.6374, 13.3952 |
| YIQ | 138.6680, 56.8970, 9.6090 |

Conversions

Conversions Part 2

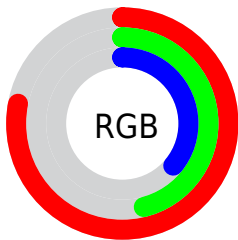
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 199, 125, 92 |
| Decimal | 13071708 |
| CIE _{Lab} | 57.69, 29.64, 27.58 |
| CIE _{LCh} | 58, 40.491, 42.940 |
| Yxy | 25.6374, 0.4493, 0.3617 |
| Android (android.graphics.Color) | 4291261788 (0xFFC7755C) |
| YUV | 138.6680, -23.0073, 52.9112 |
| Hunter-Lab | 50.6334, 23.6603, 19.7580 |

Details

The XYZ color **31.8462, 25.6374, 13.3952** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **29.8575, 36.6688, 59.5366**, and the grayscale version is **24.4839, 25.7590, 28.0515**.

A 20% lighter version of the original color is **60.5727, 51.9926, 32.8297**, and **13.4848, 9.8743, 3.7800** is the 20% darker color. If you saturate the color by 10%, you get **29.4535, 22.0662, 8.8550**, and if you desaturate by 10%, it is **34.7581, 29.8815, 19.2361**.

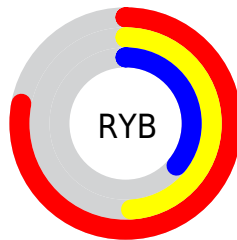
Distribution



Red (78%)

Green (46%)

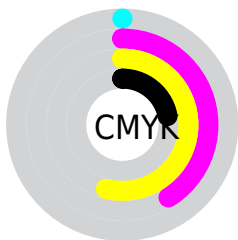
Blue (36%)



Red (78%)

Yellow (49%)

Blue (36%)

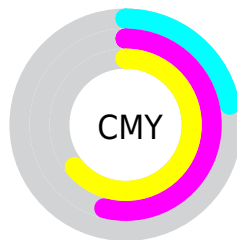


Cyan (0%)

Magenta (41%)

Yellow (54%)

Black (22%)



Cyan (22%)


Magenta (54%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8462, 25.6374, 13.3952 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 31.8462, 25.6374, 13.3952 by changing the saturation by 10% instead.


 31.8462, 25.6374,
13.3952


 31.8462, 25.6374,
13.3952


302.1758,
280.9975, 224.7312


 21.3990, 16.5526,
7.5673


 61.9367, 52.6894,
32.7135

 13.5301, 9.9160,
3.7356


 82.3108, 71.4254,
47.0410

 7.8741, 5.3433,
1.4814

 106.7245, 94.1472,
65.0388

 4.0656, 2.4501,
0.2040

 135.5433,
121.2392, 87.1255

 1.7393, 0.8515,
0.0000

169.1325,
153.0859, 113.7195

 0.4807, 0.0000,
0.0000

207.8574,

 0.0000, 0.0000,

190.0715, 145.2394

0.0000

252.0833,
232.5806, 182.1038

■ 31.8462, 25.6374,
13.3952

■ 31.8462, 25.6374,
13.3952

■ 29.4535, 22.0662,
8.8550

■ 34.7581, 29.8815,
19.2361

■ 27.5458, 19.1286,
5.5130

■ 38.2167, 34.8273,
26.4665

■ 26.0875, 16.7873,
3.2534

■ 42.2496, 40.5064,
35.1691

■ 25.0365, 14.9987,
1.9363

■ 46.8823, 46.9475,
45.4198

■ 24.5499, 14.1357,
1.4345

■ 52.1382, 54.1776,
57.2889

■ 58.0398, 62.2225,
70.8428

■ 64.6084, 71.1066,
86.1438

■ 71.8642, 80.8535,
103.2512

■ 77.1245, 90.4050,
107.9928

Harmonies

Analogous

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



34.6250, 25.6374, 22.3549



31.8462, 25.6374, 13.3952



27.2051, 25.6374, 9.3844

Triad

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



31.8462, 25.6374, 13.3952



16.5003, 25.6374, 20.7941



26.5144, 25.6374, 62.8413

Complementary

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



31.8462, 25.6374, 13.3952



29.8575, 36.6688, 59.5366

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.



21.7346, 25.6374, 61.9920



31.8462, 25.6374, 13.3952



16.3669, 25.6374, 34.3276

Square

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



31.8462, 25.6374, 13.3952



18.5546, 25.6374, 12.5805



18.1623, 25.6374, 50.3286



31.2831, 25.6374, 52.3658

Rectangle

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



31.8462, 25.6374, 13.3952



23.8928, 25.6374, 8.8443



18.1623, 25.6374, 50.3286



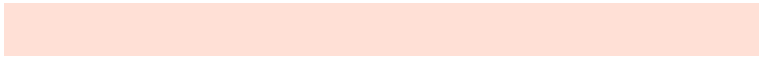
24.8486, 25.6374, 63.9516

Sweetspot

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



31.8468, 25.6387, 13.3957



79.9876, 79.2941, 74.8418



35.0235, 22.8538, 42.6266



16.7509, 16.4590, 15.1985



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.



31.8468, 25.6387, 13.3957



50.7709, 37.4199, 14.0532



39.9472, 41.8394, 16.0958



10.8317, 11.0326, 11.1214



15.8428, 9.2028, 0.9413



0.8077, 0.5508, 0.0637

Inverse Universe

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



29.8575, 36.6688, 59.5366



46.8177, 58.6040, 103.4519



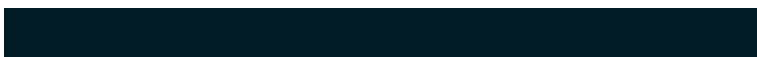
21.5033, 19.9606, 56.7519



10.7285, 11.6311, 13.5971



13.9701, 17.3342, 37.3539



0.7140, 0.9259, 1.7862

Previews

White Background



This preview shows how the XYZ color 31.8462, 25.6374, 13.3952 looks on a white background.

Color Contrast Check

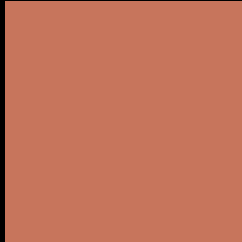
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8462, 25.6374, 13.3952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

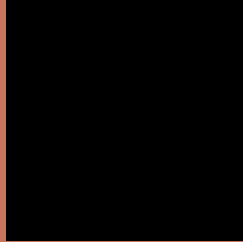
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8462, 25.6374, 13.3952

Background



This preview shows how black text looks on a background with the XYZ color 31.8462, 25.6374, 13.3952.



This preview shows how white text looks on a background with the XYZ color 31.8462, 25.6374,

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

31.8462, 25.6374, 13.3952

Protanopia

23.9760, 25.7944, 16.0271

Deuteranopia

26.3391, 25.8212, 13.0470



Tritanopia

33.4437, 25.6082, 21.2694

Trichromacy



Original Color

31.8462, 25.6374, 13.3952

Protanomaly

26.2573, 25.3299, 15.0605

Deuteranomaly

28.0252, 25.5006, 13.1179

Tritanomaly

32.6512, 25.4398, 17.9413

Monochromacy



Original Color

31.8462, 25.6374, 13.3952

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.3271, 25.2148, 21.8917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8462, 25.6374, 13.3952 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(199, 117, 92)` looks like.

```
.text, #text, p{  
    color:rgb(199, 117, 92)  
}
```

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(199, 117, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 117, 92) }
```

Border

The CSS property to change the border of an element to XYZ 31.8462, 25.6374, 13.3952 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(199, 117, 92) }
```


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

```
.border{ border-color:rgb(199, 117, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 117, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 117, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 117, 92);  
box-shadow:4px 4px 4px 4px rgb(199, 117,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8462, 25.6374, 13.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 117, 92) }
```

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

```
.background{ background-color: rgb(199,  
117, 92) }
```

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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