

Converting Colors

XYZ(29.8599, 22.2864, 11.8581)

Have a look what the booklet for
XYZ(29.8599, 22.2864, 11.8581)
contains.

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Color

**XYZ(29.8015, 22.2131,
11.9494)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C66658 |
| RGB | 198, 102, 88 |
| RGB Percent | 78%, 40%, 35% |
| CMY | 0.2235, 0.6000, 0.6549 |
| CMYK | 0.00, 0.48, 0.56, 0.22 |
| HSL | 8°, 49%, 56% |
| HSV | 8°, 56%, 78% |
| XYZ | 29.8015, 22.2131, 11.9494 |
| YIQ | 129.1080, 61.7100, 15.9980 |

Conversions

Conversions Part 2

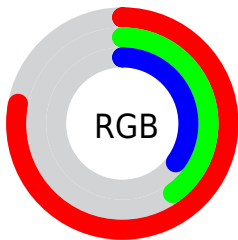
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 198, 104, 88 |
| Decimal | 13002328 |
| CIELab | 54.25, 36.87, 25.37 |
| CIELCh | 54, 44.754, 34.534 |
| Yxy | 22.2131, 0.4659, 0.3473 |
| Android (android.graphics.Color) | 4291192408 (0xFFC66658) |
| YUV | 129.1080, -20.2662, 60.4183 |
| Hunter-Lab | 47.1308, 30.3894, 17.9593 |

Details

The XYZ color **29.8015, 22.2131, 11.9494** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **31.3569, 40.4305, 59.5769**, and the grayscale version is **20.9584, 22.0499, 24.0123**.

A 20% lighter version of the original color is **57.5488, 46.5377, 29.9943**, and **12.4611, 8.1986, 3.1162** is the 20% darker color. If you saturate the color by 10%, you get **27.5652, 18.8796, 7.6924**, and if you desaturate by 10%, it is **32.6156, 26.3458, 17.4981**.

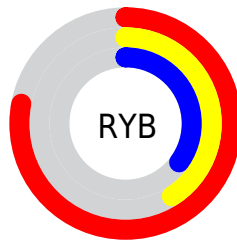
Distribution



Red (78%)

Green (40%)

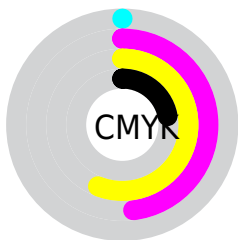
Blue (35%)



Red (78%)

Yellow (41%)

Blue (35%)

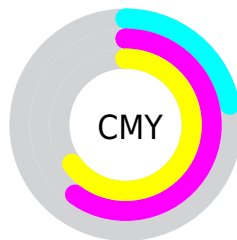


Cyan (0%)

Magenta (48%)

Yellow (56%)

Black (22%)



Cyan (22%)


Magenta (60%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8015, 22.2131, 11.9494 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 29.8015, 22.2131, 11.9494 by changing the saturation by 10% instead.


 29.8015, 22.2131,
11.9494


 29.8015, 22.2131,
11.9494


292.9046,
263.6571, 215.0360


 19.8353, 14.0136,
6.5871


 58.7369, 47.0980,
30.0659


 12.3829, 8.1301,
3.1307


 78.4368, 64.5521,
43.6573

 7.0791, 4.1783,
1.1618


 102.1120, 85.8598,
60.8287

 3.5584, 1.7738,
0.0000

 130.1278,
111.4056, 81.9987

 1.4555, 0.4708,
0.0000

 162.8496,
141.5739, 107.5859

 0.2952, 0.0000,
0.0000

200.6428,

 0.0000, 0.0000,

176.7489, 138.0089

0.0000

243.8726,
217.3152, 173.6860

■ 29.8015, 22.2131,
11.9494

■ 29.8015, 22.2131,
11.9494

■ 27.5652, 18.8796,
7.6924

■ 32.6156, 26.3458,
17.4981

■ 25.8643, 16.2902,
4.6210

■ 36.0425, 31.3214,
24.4306

■ 24.6533, 14.3882,
2.6145

■ 40.1163, 37.1844,
32.8319

■ 23.8776, 13.1066,
1.5241

■ 44.8682, 43.9752,
42.7799

■ 23.6407, 12.7099,
1.2073

■ 50.3273, 51.7317,
54.3468

■ 56.5211, 60.4897,
67.6006

■ 63.4754, 70.2832,
82.6049

■ 71.2149, 81.1446,
99.4206

■ 77.0986, 90.7457,
108.0599

Harmonies

Analogous

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



31.8871, 22.2131, 22.1285



29.8015, 22.2131, 11.9494



25.3992, 22.2131, 7.1582

Triad

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



29.8015, 22.2131, 11.9494



13.7389, 22.2131, 14.3931



21.8615, 22.2131, 61.9642

Complementary

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



29.8015, 22.2131, 11.9494



31.3569, 40.4305, 59.5769

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.



17.3382, 22.2131, 57.3629



29.8015, 22.2131, 11.9494



13.0884, 22.2131, 26.3679

Square

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



29.8015, 22.2131, 11.9494



16.2384, 22.2131, 8.1411



14.3021, 22.2131, 42.7898



26.8766, 22.2131, 53.6762

Rectangle

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



29.8015, 22.2131, 11.9494



22.0173, 22.2131, 6.1111



14.3021, 22.2131, 42.7898



20.2336, 22.2131, 61.8930

Sweetspot

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



29.8020, 22.2143, 11.9498



77.9361, 75.7089, 72.5617



35.5529, 22.4951, 48.4592



16.3021, 15.6633, 14.7345



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.



29.8020, 22.2143, 11.9498



47.9902, 32.1905, 12.1024



36.9106, 36.4313, 14.3193



10.7409, 10.8510, 11.0911



15.4094, 8.3359, 0.7968



0.7665, 0.4684, 0.0500

Inverse Universe

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



31.3569, 40.4305, 59.5769



50.9285, 67.5296, 104.9580



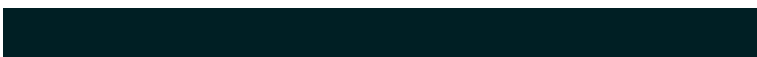
22.2225, 22.1617, 56.5321



10.8271, 11.8282, 13.6299



16.3646, 22.1231, 38.1520



0.8079, 1.1136, 1.8175

Previews

White Background



This preview shows how the XYZ color 29.8015, 22.2131, 11.9494 looks on a white background.

Color Contrast Check

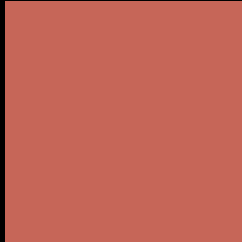
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8015, 22.2131, 11.9494 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 29.8015, 22.2131, 11.9494

Background



This preview shows how black text looks on a background with the XYZ color 29.8015, 22.2131, 11.9494.



This preview shows how white text looks on a background with the XYZ color 29.8015, 22.2131,

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

29.8015, 22.2131, 11.9494

Protanopia

20.9303, 22.3743, 15.2721

Deuteranopia

22.7125, 22.2235, 11.4800



Tritanopia

30.6165, 22.1064, 16.2890

Trichromacy



Original Color

29.8015, 22.2131, 11.9494

Protanomaly

23.3250, 21.7511, 14.0353

Deuteranomaly

24.8983, 21.9173, 11.5125

Tritanomaly

30.3625, 22.1573, 14.4809

Monochromacy



Original Color

29.8015, 22.2131, 11.9494

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.9605, 21.2786, 18.8166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8015, 22.2131, 11.9494 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(198, 102, 88)` looks like.

```
.text, #text, p{  
    color:rgb(198, 102, 88)  
}
```

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(198, 102, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 102, 88) }
```

Border

The CSS property to change the border of an element to XYZ 29.8015, 22.2131, 11.9494 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(198, 102, 88) }
```


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

```
.border{ border-color:rgb(198, 102, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 102, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 102, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 102, 88);  
box-shadow:4px 4px 4px 4px rgb(198, 102,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8015, 22.2131, 11.9494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 102, 88) }
```

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

```
.background{ background-color: rgb(198,  
102, 88) }
```

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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