

Converting Colors

XYZ(29.7947, 24.4617, 4.9683)

Have a look what the booklet for
XYZ(29.7947, 24.4617, 4.9683)
contains.

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Color

**XYZ(29.7693, 24.4072,
4.9758)**

Conversions

Conversions Part 1

Format	Color
Hex	C67326
RGB	198, 115, 38
RGB Percent	78%, 45%, 15%
CMY	0.2235, 0.5490, 0.8510
CMYK	0.00, 0.42, 0.81, 0.22
HSL	29°, 68%, 46%
HSV	29°, 81%, 78%
XYZ	29.7693, 24.4072, 4.9758
YIQ	131.0390, 74.1850, -6.3510

Conversions

Conversions Part 2

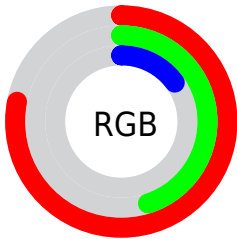
Format	Color
R_{YB}	198, 186, 38
Decimal	13005606
CIE _{Lab}	56.49, 27.09, 53.48
CIE _{LCh}	56, 59.952, 63.140
Yxy	24.4072, 0.5033, 0.4126
Android (android.graphics.Color)	4291195686 (0xFFC67326)
YUV	131.0390, -45.8682, 58.7248
Hunter-Lab	49.4036, 21.1029, 28.6110

Details

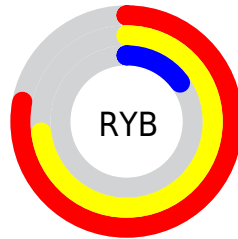
The XYZ color **29.7693, 24.4072, 4.9758** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **17.8293, 18.1631, 55.9918**, and the grayscale version is **21.7283, 22.8598, 24.8944**.

A 20% lighter version of the original color is **57.0458, 49.9865, 16.0929**, and **12.4294, 9.2997, 1.1399** is the 20% darker color. If you saturate the color by 10%, you get **28.4240, 22.0994, 3.3485**, and if you desaturate by 10%, it is **31.4159, 27.0465, 7.5415**.

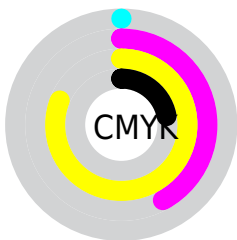
Distribution



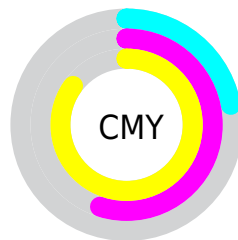
- Red (78%)
- Green (45%)
- Blue (15%)



- Red (78%)
- Yellow (73%)
- Blue (15%)



- Cyan (0%)
- Magenta (42%)
- Yellow (81%)
- Black (22%)





- Cyan (22%)
- Magenta (55%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7693, 24.4072, 4.9758 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 29.7693, 24.4072, 4.9758 by changing the saturation by 10% instead.


 29.7693, 24.4072,
4.9758


 29.7693, 24.4072,
4.9758


292.7568,
274.8727, 158.5220


 19.8107, 15.6360,
2.1746


 58.6863, 50.6939,
16.2041


 12.3650, 9.2669,
0.6596


 78.3754, 68.9781,
25.4683


 7.0667, 4.9157,
0.0000


 102.0388, 91.2021,
37.7240

 3.5506, 2.1979,
0.0000

 130.0418,
117.7503, 53.3895

 1.4512, 0.7188,
0.0000

 162.7497,
149.0071, 72.8836

 0.2922, 0.0000,
0.0000

 200.5280,

 0.0000, 0.0000,

185.3568, 96.6246

0.0000

243.7419,
227.1839, 125.0313

■ 29.7693, 24.4072,
4.9758

■ 29.7693, 24.4072,
4.9758

■ 28.4240, 22.0994,
3.3485

■ 31.4159, 27.0465,
7.5415

■ 27.4072, 20.2430,
2.4628

■ 33.3900, 30.0311,
11.1700

■ 35.7159, 33.3779,
15.9681

■ 38.4147, 37.1015,
22.0288

■ 41.5057, 41.2151,
29.4356

■ 45.0066, 45.7315,
38.2649

■ 48.9340, 50.6626,
48.5873

■ 53.3033, 56.0197,
60.4685

■ 58.1293, 61.8139,
73.9705

Harmonies

Analogous

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



36.2715, 24.4072, 10.6720



29.7693, 24.4072, 4.9758



22.4745, 24.4072, 3.7596

Triad

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



29.7693, 24.4072, 4.9758



12.2567, 24.4072, 28.7257



31.2906, 24.4072, 73.1788

Complementary

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



29.7693, 24.4072, 4.9758



17.8293, 18.1631, 55.9918

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.



23.9375, 24.4072, 85.9669



29.7693, 24.4072, 4.9758



13.7176, 24.4072, 53.4429

Square

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



29.7693, 24.4072, 4.9758



13.2087, 24.4072, 12.7714



17.6733, 24.4072, 77.3720



37.2659, 24.4072, 47.8679

Rectangle

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



29.7693, 24.4072, 4.9758



18.3366, 24.4072, 4.6403



17.6733, 24.4072, 77.3720



28.8513, 24.4072, 79.5306

Sweetspot

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



29.7698, 24.4085, 4.9762



77.4108, 78.0574, 61.9078



27.5779, 14.8305, 20.2579



16.0914, 16.0905, 12.0481



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.



29.7698, 24.4085, 4.9762



48.8319, 36.3768, 4.6674



42.6347, 50.1381, 9.2645



11.0480, 11.4652, 11.1935



17.9085, 13.3342, 1.6299



0.9204, 0.7762, 0.1013

Inverse Universe

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



17.8293, 18.1631, 55.9918



26.9436, 24.8651, 97.9871



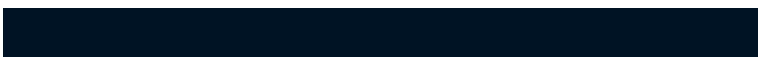
11.8686, 6.2416, 54.0049



10.5041, 11.1824, 13.5223



9.8502, 9.0943, 35.9806



0.5387, 0.5752, 1.7278

Previews

White Background



This preview shows how the XYZ color 29.7693, 24.4072, 4.9758 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 29.7693, 24.4072, 4.9758 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 29.7693, 24.4072, 4.9758

Background



This preview shows how black text looks on a background with the XYZ color 29.7693, 24.4072, 4.9758.



This preview shows how white text looks on a background with the XYZ color 29.7693, 24.4072,

4.9758.

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

29.7693, 24.4072, 4.9758

Protanopia

22.2077, 24.4656, 5.9347

Deuteranopia

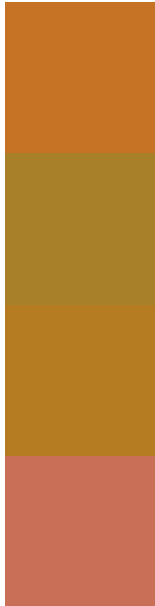
24.9056, 24.4627, 4.7756



Tritanopia

32.8142, 24.5195, 19.2229

Trichromacy



Original Color

29.7693, 24.4072, 4.9758

Protanomaly

24.4993, 24.0405, 5.5395

Deuteranomaly

26.5524, 24.3546, 4.8148

Tritanomaly

31.4921, 24.4745, 12.0811

Monochromacy



Original Color

29.7693, 24.4072, 4.9758

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.0089, 22.4989, 14.4393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7693, 24.4072, 4.9758 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, 115, 38)` looks like.

```
.text, #text, p{  
    color:rgb(198, 115, 38)  
}
```

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, 115, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 115, 38) }
```

Border

The CSS property to change the border of an element to XYZ 29.7693, 24.4072, 4.9758 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, 115, 38) }
```


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

```
.border{ border-color:rgb(198, 115, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 115, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 115, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 115, 38);  
box-shadow:4px 4px 4px 4px rgb(198, 115,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7693, 24.4072, 4.9758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 115, 38) }
```

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

```
.background{ background-color: rgb(198,  
115, 38) }
```

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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