

Converting Colors

XYZ(29.8896, 24.4940, 5.3300)

Have a look what the booklet for
XYZ(29.8896, 24.4940, 5.3300)
contains.

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Color

**XYZ(29.8374, 24.4344,
5.3342)**

Conversions

Conversions Part 1

Format	Color
Hex	C6732A
RGB	198, 115, 42
RGB Percent	78%, 45%, 16%
CMY	0.2235, 0.5490, 0.8353
CMYK	0.00, 0.42, 0.79, 0.22
HSL	28°, 65%, 47%
HSV	28°, 79%, 78%
XYZ	29.8374, 24.4344, 5.3342
YIQ	131.4950, 72.9010, -5.1070

Conversions

Conversions Part 2

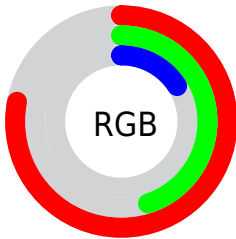
Format	Color
RYB	198, 179, 42
Decimal	13005610
CIELab	56.52, 27.23, 51.85
CIELCh	57, 58.568, 62.295
Yxy	24.4344, 0.5006, 0.4099
Android (android.graphics.Color)	4291195690 (0xFFC6732A)
YUV	131.4950, -44.1210, 58.3249
Hunter-Lab	49.4312, 21.2408, 28.2037

Details

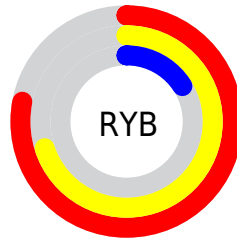
The XYZ color **29.8374, 24.4344, 5.3342** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **18.4811, 19.2358, 56.1646**, and the grayscale version is **21.8863, 23.0261, 25.0754**.

A 20% lighter version of the original color is **57.2184, 50.0556, 17.0019**, and **12.4294, 9.2997, 1.1399** is the 20% darker color. If you saturate the color by 10%, you get **28.4333, 22.0603, 3.5288**, and if you desaturate by 10%, it is **31.5548, 27.1556, 8.1075**.

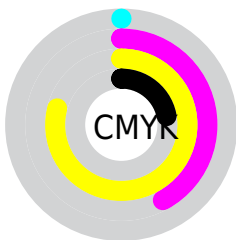
Distribution



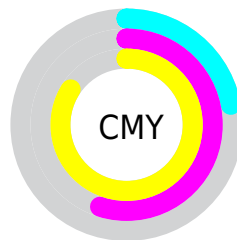
- Red (78%)
- Green (45%)
- Blue (16%)



- Red (78%)
- Yellow (70%)
- Blue (16%)



- Cyan (0%)
- Magenta (42%)
- Yellow (79%)
- Black (22%)





- Cyan (22%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8374, 24.4344, 5.3342 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 29.8374, 24.4344, 5.3342 by changing the saturation by 10% instead.


 29.8374, 24.4344,
5.3342


 29.8374, 24.4344,
5.3342


293.0692,
275.0094, 162.0668


 19.8627, 15.6562,
2.3825


 58.7933, 50.7382,
16.9856


 12.4029, 9.2812,
0.7769


 78.5052, 69.0325,
26.5224


 7.0929, 4.9250,
0.0000


 102.1936, 91.2676,
39.0914

 3.5671, 2.2033,
0.0000

 130.2237,
117.8280, 55.1110

 1.4603, 0.7218,
0.0000

 162.9610,
149.0979, 74.9998

 0.2986, 0.0000,
0.0000

 200.7708,

 0.0000, 0.0000,

185.4619, 99.1763

0.0000

244.0184,
227.3042, 128.0591

■ 29.8374, 24.4344,
5.3342

■ 29.8374, 24.4344,
5.3342

■ 28.4333, 22.0603,
3.5288

■ 31.5548, 27.1556,
8.1075

■ 27.2989, 20.0053,
2.4916

■ 33.6110, 30.2380,
11.9685

■ 27.1731, 19.7748,
2.3847

■ 36.0302, 33.6989,
17.0210

■ 38.8332, 37.5531,
23.3560

■ 42.0393, 41.8146,
31.0555

■ 45.6663, 46.4963,
40.1946

■ 49.7308, 51.6106,
50.8431

■ 54.2484, 57.1695,
63.0659

■ 59.2338, 63.1840,
76.9243

Harmonies

Analogous

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



36.0991, 24.4344, 11.2121



29.8374, 24.4344, 5.3342



22.7053, 24.4344, 4.0050

Triad

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



29.8374, 24.4344, 5.3342



12.4700, 24.4344, 28.1302



30.9203, 24.4344, 72.3730

Complementary

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



29.8374, 24.4344, 5.3342



18.4811, 19.2358, 56.1646

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.



23.7508, 24.4344, 84.1734



29.8374, 24.4344, 5.3342



13.8447, 24.4344, 51.9956

Square

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



29.8374, 24.4344, 5.3342



13.4778, 24.4344, 12.7337



17.6683, 24.4344, 75.3297



36.8050, 24.4344, 48.0467

Rectangle

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



29.8374, 24.4344, 5.3342



18.6154, 24.4344, 4.8394



17.6683, 24.4344, 75.3297



28.5370, 24.4344, 78.3542

Sweetspot

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



29.8380, 24.4357, 5.3346



77.1935, 77.6228, 61.8354



27.8312, 15.1476, 20.9263



16.0394, 15.9867, 12.0308



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.



29.8380, 24.4357, 5.3346



48.7870, 36.2403, 4.7961



42.7323, 50.2243, 9.6327



11.0362, 11.4416, 11.1895



17.7555, 13.0283, 1.5789



0.9131, 0.7616, 0.0989

Inverse Universe

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



18.4811, 19.2358, 56.1646



27.8307, 26.5404, 98.2637



12.1726, 6.6187, 54.0618



10.5160, 11.2061, 13.5262



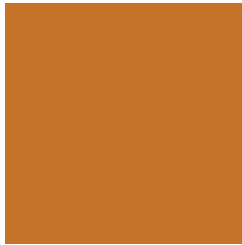
10.0229, 9.4397, 36.0381



0.5466, 0.5911, 1.7304

Previews

White Background



This preview shows how the XYZ color 29.8374, 24.4344, 5.3342 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 29.8374, 24.4344, 5.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

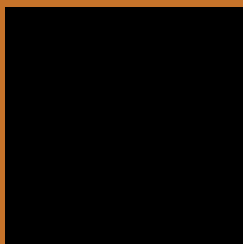
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8374, 24.4344, 5.3342

Background



This preview shows how black text looks on a background with the XYZ color 29.8374, 24.4344, 5.3342.



This preview shows how white text looks on a background with the XYZ color 29.8374, 24.4344,

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

29.8374, 24.4344, 5.3342

Protanopia

22.2866, 24.4971, 6.3501

Deuteranopia

24.9788, 24.4920, 5.1612



Tritanopia

32.8142, 24.5195, 19.2229

Trichromacy



Original Color

29.8374, 24.4344, 5.3342

Protanomaly

24.5745, 24.0706, 5.9356

Deuteranomaly

26.6299, 24.3855, 5.2228

Tritanomaly

31.5333, 24.4910, 12.2978

Monochromacy



Original Color

29.8374, 24.4344, 5.3342

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.1033, 22.5366, 14.9367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8374, 24.4344, 5.3342 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(198, 115, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 115, 42) }
```

Border

The CSS property to change the border of an element to XYZ 29.8374, 24.4344, 5.3342 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, 42) }
```


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

```
.border{ border-color:rgb(198, 115, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 115, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 115, 42);  
box-shadow:4px 4px 4px 4px rgb(198, 115,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8374, 24.4344, 5.3342 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, 42) }
```

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

```
.background{ background-color: rgb(198,  
115, 42) }
```

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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