

Converting Colors

XYZ(29.9799, 23.0210, 6.7343)

Have a look what the booklet for
XYZ(29.9799, 23.0210, 6.7343)
contains.

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Color

**XYZ(29.9799, 23.0210,
6.7343)**

Conversions

Conversions Part 1

Format	Color
Hex	C96A39
RGB	201, 106, 57
RGB Percent	79%, 42%, 22%
CMY	0.2118, 0.5843, 0.7765
CMYK	0.00, 0.47, 0.72, 0.21
HSL	20°, 57%, 51%
HSV	20°, 72%, 79%
XYZ	29.9799, 23.0210, 6.7343
YIQ	128.8190, 72.3490, 4.9010

Conversions

Conversions Part 2

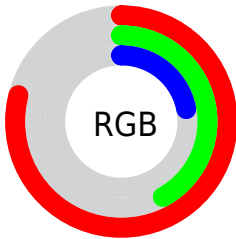
Format	Color
RYB	201, 131, 57
Decimal	13199929
CIELab	55.09, 33.92, 43.48
CIElCh	55, 55.146, 52.045
Yxy	23.0210, 0.5019, 0.3854
Android (android.graphics.Color)	4291390009 (0xFFC96A39)
YUV	128.8190, -35.4068, 63.3027
Hunter-Lab	47.9802, 27.5684, 25.2644

Details

The XYZ color **29.9799, 23.0210, 6.7343** 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 **23.4572, 27.5415, 59.3375**, and the grayscale version is **20.9058, 21.9946, 23.9521**.

A 20% lighter version of the original color is **56.2397, 47.0969, 19.7621**, and **12.4425, 8.5086, 1.2163** is the 20% darker color. If you saturate the color by 10%, you get **28.3117, 20.3347, 4.1750**, and if you desaturate by 10%, it is **32.0588, 26.2117, 10.4097**.

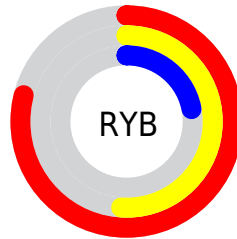
Distribution



Red (79%)

Green (42%)

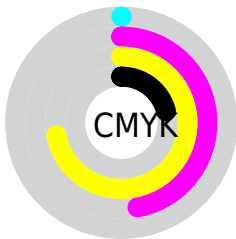
Blue (22%)



Red (79%)

Yellow (51%)

Blue (22%)

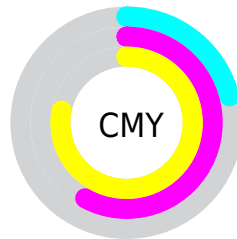


Cyan (0%)

Magenta (47%)

Yellow (72%)

Black (21%)



Cyan (21%)


Magenta (58%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9799, 23.0210, 6.7343 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 29.9799, 23.0210, 6.7343 by changing the saturation by 10% instead.


 29.9799, 23.0210,
6.7343

 29.9799, 23.0210,
6.7343


293.7223,
267.8328, 174.9836


 19.9713, 14.6090,
3.2206


 59.0172, 48.4278,
19.9403


 12.4823, 8.5454,
1.2083


 78.7767, 66.1914,
30.4698

 7.1476, 4.4459,
0.0000


 102.5172, 87.8410,
44.1748

 3.6017, 1.9260,
0.0000

 130.6041,
113.7610, 61.4740

 1.4794, 0.5639,
0.0000

 163.4026,
144.3358, 82.7860

 0.3117, 0.0000,
0.0000

 201.2783,

 0.0000, 0.0000,

179.9498, 108.5292

0.0000

244.5964,
220.9873, 139.1222

■ 29.9799, 23.0210,
6.7343

■ 29.9799, 23.0210,
6.7343

■ 28.3117, 20.3347,
4.1750

■ 32.0588, 26.2117,
10.4097

■ 27.0181, 18.1198,
2.5957

■ 34.5770, 29.9297,
15.3132

■ 26.1788, 16.6006,
1.8245

■ 37.5616, 34.2005,
21.5443

■ 41.0372, 39.0467,
29.1920

■ 45.0264, 44.4899,
38.3374

■ 49.5502, 50.5501,
49.0554

■ 54.6286, 57.2465,
61.4159

■ 60.2802, 64.5974,
75.4846

■ 66.5231, 72.6204,
91.3236

Harmonies

Analogous

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



34.7578, 23.0210, 14.3915



29.9799, 23.0210, 6.7343



23.5566, 23.0210, 4.2721

Triad

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



29.9799, 23.0210, 6.7343



12.1429, 23.0210, 20.6695



26.6208, 23.0210, 71.3171

Complementary

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



29.9799, 23.0210, 6.7343



23.4572, 27.5415, 59.3375

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.



20.2863, 23.0210, 75.7173



29.9799, 23.0210, 6.7343



12.6564, 23.0210, 40.0289

Square

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



29.9799, 23.0210, 6.7343



13.8256, 23.0210, 9.4850



15.3899, 23.0210, 62.3233



32.5793, 23.0210, 52.1618

Rectangle

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



29.9799, 23.0210, 6.7343



19.5071, 23.0210, 4.4023



15.3899, 23.0210, 62.3233



24.4396, 23.0210, 74.8445

Sweetspot

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



29.9804, 23.0222, 6.7347



77.3434, 76.5137, 66.2285



31.3001, 17.6437, 31.8929



16.1240, 15.7939, 13.1747



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.



29.9804, 23.0222, 6.7347



47.1657, 32.6091, 5.4534



40.5478, 44.1569, 10.2572



10.9240, 11.2172, 11.1521



16.5372, 10.5916, 1.1728



0.8504, 0.6363, 0.0780

Inverse Universe

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



23.4572, 27.5415, 59.3375



35.1628, 40.3811, 100.5488



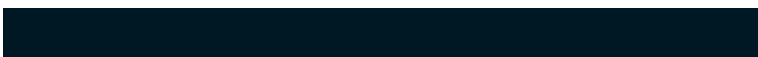
15.1725, 10.9720, 56.5759



10.6310, 11.4361, 13.5646



11.9556, 13.3051, 36.6824



0.6313, 0.7604, 1.7586

Previews

White Background



This preview shows how the XYZ color 29.9799, 23.0210, 6.7343 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 29.9799, 23.0210, 6.7343 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 29.9799, 23.0210, 6.7343

Background



This preview shows how black text looks on a background with the XYZ color 29.9799, 23.0210, 6.7343.



This preview shows how white text looks on a background with the XYZ color 29.9799, 23.0210,

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

29.9799, 23.0210, 6.7343

Protanopia

21.1957, 23.2677, 8.3750

Deuteranopia

23.5977, 23.1690, 6.4771



Tritanopia

32.1129, 23.0132, 16.6594

Trichromacy



Original Color

29.9799, 23.0210, 6.7343

Protanomaly

23.6783, 22.6207, 7.6757

Deuteranomaly

25.6228, 22.9250, 6.5645

Tritanomaly

31.1831, 22.9205, 12.2318

Monochromacy



Original Color

29.9799, 23.0210, 6.7343

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.8031, 21.6226, 15.8037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9799, 23.0210, 6.7343 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(201, 106, 57)` looks like.

```
.text, #text, p{  
    color:rgb(201, 106, 57)  
}
```

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(201, 106, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 106, 57) }
```

Border

The CSS property to change the border of an element to XYZ 29.9799, 23.0210, 6.7343 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(201, 106, 57) }
```


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

```
.border{ border-color:rgb(201, 106, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 106, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 106, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 106, 57);  
box-shadow:4px 4px 4px 4px rgb(201, 106,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9799, 23.0210, 6.7343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 106, 57) }
```

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

```
.background{ background-color: rgb(201,  
106, 57) }
```

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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