

Converting Colors

XYZ(29.7141, 23.2705, 2.9256)

Have a look what the booklet for
XYZ(29.7141, 23.2705, 2.9256)
contains.

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Color

**XYZ(29.7197, 23.2817,
2.9274)**

Conversions

Conversions Part 1

Format	Color
Hex	CA6C00
RGB	202, 108, 0
RGB Percent	79%, 42%, 0%
CMY	0.2078, 0.5764, 1.0000
CMYK	0.00, 0.47, 1.00, 0.21
HSL	32°, 100%, 40%
HSV	32°, 100%, 79%
XYZ	29.7197, 23.2817, 2.9274
YIQ	123.7940, 90.6920, -13.6600

Conversions

Conversions Part 2

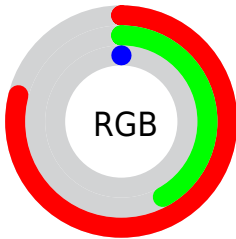
Format	Color
RYB	176, 202, 0
Decimal	13265920
CIELab	55.36, 31.78, 63.12
CIElCh	55, 70.669, 63.278
Yxy	23.2817, 0.5314, 0.4163
Android (android.graphics.Color)	4291456000 (0xFFCA6C00)
YUV	123.7940, -61.0304, 68.5867
Hunter-Lab	48.2511, 25.5055, 30.1786

Details

The XYZ color **29.7197, 23.2817, 2.9274** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.6633, 12.2695, 57.4721**, and the grayscale version is **19.2661, 20.2695, 22.0734**.

A 20% lighter version of the original color is **54.7942, 46.7950, 11.2986**, and **12.5485, 8.7906, 1.0354** is the 20% darker color. If you saturate the color by 10%, you get **29.7199, 23.2824, 2.9275**, and if you desaturate by 10%, it is **30.8937, 25.4251, 3.9507**.

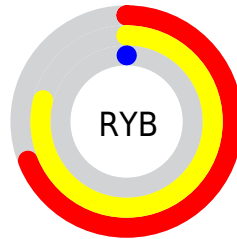
Distribution



Red (79%)

Green (42%)

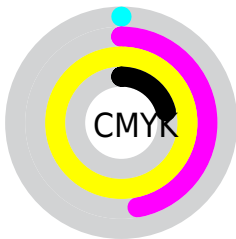
Blue (0%)



Red (69%)

Yellow (79%)

Blue (0%)

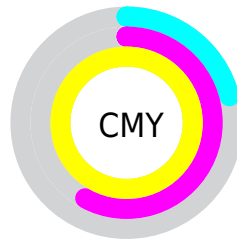


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7197, 23.2817, 2.9274 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 29.7197, 23.2817, 2.9274 by changing the saturation by 10% instead.

 29.7197, 23.2817,
2.9274


 29.7197, 23.2817,
2.9274


292.5290,
269.1686, 135.4305


 19.7729, 14.8017,
1.0577


 58.6083, 48.8555,
11.4488

 12.3374, 8.6803,
0.0000


 78.2808, 66.7180,
18.9375

 7.0477, 4.5332,
0.0000


 101.9260, 88.4768,
29.1363

 3.5386, 1.9761,
0.0000

 129.9092,
114.5162, 42.4637

 1.4446, 0.5935,
0.0000

 162.5958,
145.2207, 59.3383


 0.2876, 0.0000,
0.0000


 200.3510,


 0.0000, 0.0000,


180.9747, 80.1786


0.0000


 243.5403,
222.1625, 105.4032


 29.7197, 23.2817,
2.9274


 29.7197, 23.2817,
2.9274


 29.7199, 23.2824,
2.9275

 30.8937, 25.4251,
3.9507

 32.3112, 27.8410,
5.7147

 34.0217, 30.5553,
8.4640

 36.0529, 33.5837,
12.3286

 38.4282, 36.9403,
17.4182

■ 41.1686, 40.6377,
23.8294

■ 44.2930, 44.6878,
31.6489

■ 47.8189, 49.1019,
40.9561

■ 51.7625, 53.8902,
51.8243

Harmonies

Analogous

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



37.4855, 23.2817, 8.1422



29.7197, 23.2817, 2.9274



21.2678, 23.2817, 1.9676

Triad

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



29.7197, 23.2817, 2.9274



10.1271, 23.2817, 27.9306



31.5968, 23.2817, 82.2097

Complementary

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



29.7197, 23.2817, 2.9274



14.6633, 12.2695, 57.4721

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.



23.0122, 23.2817, 98.7460



29.7197, 23.2817, 2.9274



11.6699, 23.2817, 57.6649

Square

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



29.7197, 23.2817, 2.9274



11.1098, 23.2817, 10.3445



15.9544, 23.2817, 87.8046



38.7385, 23.2817, 50.5008

Rectangle

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



29.7197, 23.2817, 2.9274



16.6317, 23.2817, 2.6721



15.9544, 23.2817, 87.8046



28.7199, 23.2817, 90.3688

Sweetspot

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



29.7202, 23.2830, 2.9278



74.7629, 75.3678, 52.9902



26.3895, 13.3696, 11.8429



15.5035, 15.4909, 10.0760



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.



29.7202, 23.2830, 2.9278



50.0924, 38.9647, 4.8808



43.6949, 53.8783, 8.0968



11.7007, 12.1903, 11.8157



19.2145, 15.1620, 1.9138



1.0668, 0.9332, 0.1239

Inverse Universe

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



14.6633, 12.2695, 57.4721



24.6062, 20.3325, 97.2354



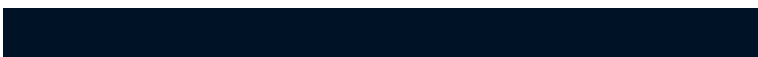
10.7450, 4.3079, 56.1419



11.0248, 11.6901, 14.2457



9.5229, 8.0697, 37.0120



0.5670, 0.5677, 1.9346

Previews

White Background



This preview shows how the XYZ color 29.7197, 23.2817, 2.9274 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 29.7197, 23.2817, 2.9274 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 29.7197, 23.2817, 2.9274

Background



This preview shows how black text looks on a background with the XYZ color 29.7197, 23.2817, 2.9274.



This preview shows how white text looks on a background with the XYZ color 29.7197, 23.2817,

2.9274.

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

29.7197, 23.2817, 2.9274

Protanopia

21.2040, 23.5747, 3.9631

Deuteranopia

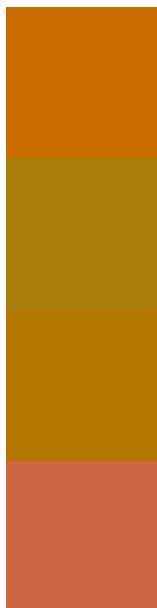
23.6093, 23.2465, 3.2427



Tritanopia

32.6646, 23.2977, 16.6852

Trichromacy



Original Color

29.7197, 23.2817, 2.9274

Protanomaly

23.7562, 23.1264, 3.5284

Deuteranomaly

25.4192, 22.8969, 3.0798

Tritanomaly

31.0705, 23.0970, 8.2894

Monochromacy



Original Color

29.7197, 23.2817, 2.9274

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.8386, 20.1968, 10.1972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7197, 23.2817, 2.9274 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(202, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 108, 0)  
}
```

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(202, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.7197, 23.2817, 2.9274 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(202, 108, 0) }
```


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

```
.border{ border-color:rgb(202, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7197, 23.2817, 2.9274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 108, 0) }
```

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

```
.background{ background-color: rgb(202,  
108, 0) }
```

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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