

Converting Colors

XYZ(29.6960, 23.7909, 3.1265)

Have a look what the booklet for
XYZ(29.6960, 23.7909, 3.1265)
contains.

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Color

**XYZ(29.7883, 23.7930,
3.1086)**

Conversions

Conversions Part 1

Format	Color
Hex	C96F03
RGB	201, 111, 3
RGB Percent	79%, 44%, 1%
CMY	0.2118, 0.5647, 0.9882
CMYK	0.00, 0.45, 0.99, 0.21
HSL	33°, 97%, 40%
HSV	33°, 99%, 79%
XYZ	29.7883, 23.7930, 3.1086
YIQ	125.5980, 88.3080, -14.5080

Conversions

Conversions Part 2

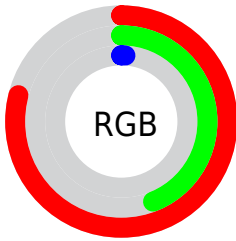
Format	Color
RYB	168, 201, 3
Decimal	13201155
CIELab	55.88, 29.80, 62.80
CIELCh	56, 69.517, 64.614
Yxy	23.7930, 0.5255, 0.4197
Android (android.graphics.Color)	4291391235 (0xFFC96F03)
YUV	125.5980, -60.4408, 66.1276
Hunter-Lab	48.7781, 23.6466, 30.3661

Details

The XYZ color **29.7883, 23.7930, 3.1086** 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 **14.4944, 12.0649, 56.8228**, and the grayscale version is **19.8732, 20.9081, 22.7689**.

A 20% lighter version of the original color is **55.3806, 47.8717, 11.7901**, and **12.5378, 9.0207, 1.0804** is the 20% darker color. If you saturate the color by 10%, you get **29.6244, 23.4918, 2.9730**, and if you desaturate by 10%, it is **30.9765, 25.9469, 4.1918**.

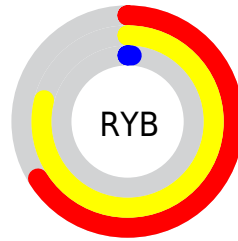
Distribution



Red (79%)

Green (44%)

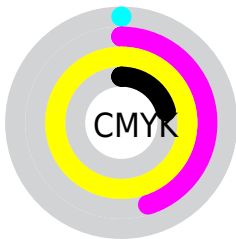
Blue (1%)



Red (66%)

Yellow (79%)

Blue (1%)

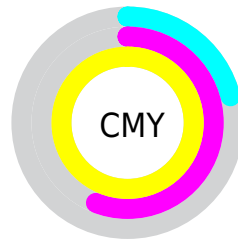


Cyan (0%)

Magenta (45%)

Yellow (99%)

Black (21%)



Cyan (21%)


Magenta (56%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7883, 23.7930, 3.1086 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 29.7883, 23.7930, 3.1086 by changing the saturation by 10% instead.


 29.7883, 23.7930,
3.1086


 29.7883, 23.7930,
3.1086


292.8440,
271.7723, 137.7320


 19.8252, 15.1801,
1.1504


 58.7162, 49.6922,
11.8953

 12.3756, 8.9459,
0.0000

 78.4117, 67.7473,
19.5607

 7.0740, 4.7059,
0.0000


 102.0820, 89.7187,
29.9657

 3.5552, 2.0758,
0.0000

 130.0926,
115.9906, 43.5288

 1.4537, 0.6509,
0.0000

 162.8087,
146.9475, 60.6684


 0.2940, 0.0000,
0.0000


 200.5957,


 0.0000, 0.0000,


182.9739, 81.8031


0.0000


 243.8190,
224.4540, 107.3514


 29.7883, 23.7930,
3.1086


 29.7883, 23.7930,
3.1086


 29.6244, 23.4918,
2.9730

 30.9765, 25.9469,
4.1918

 32.4140, 28.3673,
6.0723

 34.1410, 31.0757,
8.9463

 36.1837, 34.0871,
12.9383

 38.5647, 37.4147,
18.1545

■ 41.3042, 41.0704,
24.6885

■ 44.4205, 45.0655,
32.6248

■ 47.9304, 49.4106,
42.0407

■ 51.8497, 54.1156,
53.0078

Harmonies

Analogous

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



37.5981, 23.7930, 8.1950



29.7883, 23.7930, 3.1086



21.4119, 23.7930, 2.2202

Triad

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



29.7883, 23.7930, 3.1086



10.5820, 23.7930, 29.5743



32.4104, 23.7930, 80.8970

Complementary

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



29.7883, 23.7930, 3.1086



14.4944, 12.0649, 56.8228

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.



23.8613, 23.7930, 98.1840



29.7883, 23.7930, 3.1086



12.2577, 23.7930, 59.3996

Square

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



29.7883, 23.7930, 3.1086



11.4615, 23.7930, 11.3510



16.6962, 23.7930, 88.6233



39.3430, 23.7930, 49.4510

Rectangle

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



29.7883, 23.7930, 3.1086



16.8484, 23.7930, 3.0486



16.6962, 23.7930, 88.6233



29.5656, 23.7930, 89.1877

Sweetspot

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



29.7888, 23.7943, 3.1090



74.9795, 75.8011, 53.0624



26.2038, 13.3162, 12.1119



15.5548, 15.5936, 10.0931



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.



29.7888, 23.7943, 3.1090



50.4866, 39.7532, 5.0122



43.2538, 53.3018, 8.0949



11.1052, 11.5796, 11.2125



18.7194, 14.9560, 1.9002



0.9581, 0.8516, 0.1139

Inverse Universe

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



14.4944, 12.0649, 56.8228



24.2843, 19.6886, 97.1281



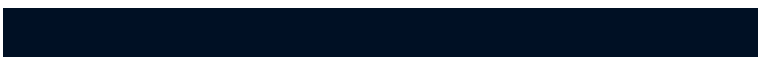
10.6954, 4.3442, 55.5328



10.4471, 11.0683, 13.5033



9.0895, 7.5729, 35.7270



0.5025, 0.5029, 1.7157

Previews

White Background



This preview shows how the XYZ color 29.7883, 23.7930, 3.1086 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 29.7883, 23.7930, 3.1086 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 29.7883, 23.7930, 3.1086

Background



This preview shows how black text looks on a background with the XYZ color 29.7883, 23.7930, 3.1086.



This preview shows how white text looks on a background with the XYZ color 29.7883, 23.7930,

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

29.7883, 23.7930, 3.1086

Protanopia

21.7140, 24.0438, 4.0268

Deuteranopia

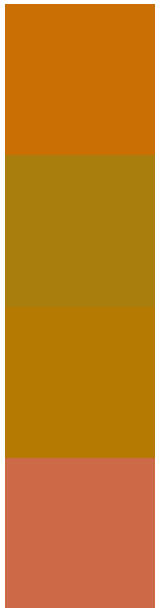
24.2967, 23.9844, 3.3489



Tritanopia

32.8963, 23.8273, 17.9042

Trichromacy



Original Color

29.7883, 23.7930, 3.1086

Protanomaly

24.1048, 23.4943, 3.6122

Deuteranomaly

26.0211, 23.7450, 3.2405

Tritanomaly

31.2256, 23.6133, 9.0429

Monochromacy



Original Color

29.7883, 23.7930, 3.1086

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.4594, 21.0411, 10.7149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7883, 23.7930, 3.1086 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, 111, 3)` looks like.

```
.text, #text, p{  
    color:rgb(201, 111, 3)  
}
```

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, 111, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 111, 3) }
```

Border

The CSS property to change the border of an element to XYZ 29.7883, 23.7930, 3.1086 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, 111, 3) }
```


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

```
.border{ border-color:rgb(201, 111, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 111, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 111, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 111, 3);  
box-shadow:4px 4px 4px 4px rgb(201, 111,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7883, 23.7930, 3.1086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 111, 3) }
```

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

```
.background{ background-color: rgb(201,  
111, 3) }
```

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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