

Converting Colors

XYZ(30.8963, 22.8384, 1.0936)

Have a look what the booklet for
XYZ(30.8963, 22.8384, 1.0936)
contains.

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Color

**XYZ(31.2320, 23.0090,
2.7951)**

Conversions

Conversions Part 1

Format	Color
Hex	D26500
RGB	210, 101, 0
RGB Percent	82%, 40%, 0%
CMY	0.1765, 0.6039, 1.0000
CMYK	0.00, 0.52, 1.00, 0.18
HSL	29°, 100%, 41%
HSV	29°, 100%, 82%
XYZ	31.2320, 23.0090, 2.7951
YIQ	122.0770, 97.3850, -8.3030

Conversions

Conversions Part 2

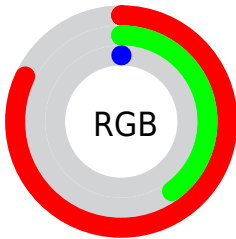
Format	Color
RYB	210, 195, 0
Decimal	13788416
CIELab	55.08, 38.64, 63.56
CIELCh	55, 74.382, 58.699
Yxy	23.0090, 0.5476, 0.4034
Android (android.graphics.Color)	4291978496 (0xFFD26500)
YUV	122.0770, -60.1840, 77.1085
Hunter-Lab	47.9677, 32.2787, 30.1225

Details

The XYZ color **31.2320, 23.0090, 2.7951** 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 **17.1013, 15.5902, 63.0800**, and the grayscale version is **18.6931, 19.6666, 21.4169**.

A 20% lighter version of the original color is **53.7497, 44.7529, 10.8063**, and **13.3533, 8.5771, 0.9517** is the 20% darker color. If you saturate the color by 10%, you get **31.2321, 23.0096, 2.7952**, and if you desaturate by 10%, it is **32.4974, 25.3234, 3.8849**.

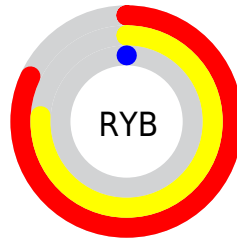
Distribution



Red (82%)

Green (40%)

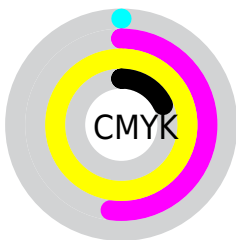
Blue (0%)



Red (82%)

Yellow (76%)

Blue (0%)

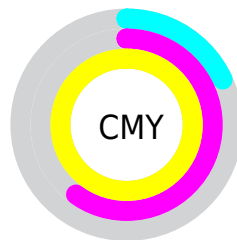


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2320, 23.0090, 2.7951 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 31.2320, 23.0090, 2.7951 by changing the saturation by 10% instead.


 31.2320, 23.0090,
2.7951


 31.2320, 23.0090,
2.7951


299.4135,
267.7712, 133.7066


 20.9283, 14.6002,
0.9910


 60.9785, 48.4081,
11.1185


 13.1837, 8.5392,
0.0000


 81.1520, 66.1672,
18.4749


 7.6331, 4.4419,
0.0000


 105.3461, 87.8117,
28.5191

 3.9109, 1.9237,
0.0000

 133.9262,
113.7262, 41.6697

 1.6518, 0.5626,
0.0000

 167.2576,
144.2950, 58.3452


 0.4258, 0.0000,
0.0000


 205.7058,


 0.0000, 0.0000,


179.9025, 78.9641


0.0000


 249.6360,
220.9331, 103.9451


 31.2320, 23.0090,
2.7951

 31.2320, 23.0090,
2.7951


 31.2321, 23.0096,
2.7952

 32.4974, 25.3234,
3.8849

 34.0551, 27.9866,
5.7982

 35.9600, 31.0294,
8.7976

 38.2438, 34.4721,
13.0269

 40.9338, 38.3327,
18.6078

■ 44.0542, 42.6277,
25.6469

■ 47.6273, 47.3728,
34.2399

■ 51.6733, 52.5824,
44.4747

■ 56.2112, 58.2702,
56.4322

Harmonies

Analogous

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



39.0269, 23.0090, 8.9117



31.2320, 23.0090, 2.7951



22.2330, 23.0090, 1.5233

Triad

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



31.2320, 23.0090, 2.7951



9.4978, 23.0090, 24.0314



30.4444, 23.0090, 90.1468

Complementary

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



31.2320, 23.0090, 2.7951



17.1013, 15.5902, 63.0800

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.



21.5097, 23.0090, 103.9256



31.2320, 23.0090, 2.7951



10.6622, 23.0090, 53.9628

Square

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



31.2320, 23.0090, 2.7951



10.8877, 23.0090, 8.0412



14.5942, 23.0090, 87.7367



38.4972, 23.0090, 57.0102

Rectangle

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



31.2320, 23.0090, 2.7951



17.1501, 23.0090, 1.9246



14.5942, 23.0090, 87.7367



27.3835, 23.0090, 97.8616

Sweetspot

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



31.2325, 23.0103, 2.7955



73.7016, 73.2454, 52.6365



29.5029, 14.8716, 16.6455



15.2527, 14.9893, 9.9924



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.



31.2325, 23.0103, 2.7955



48.2793, 35.3387, 4.2764



47.9339, 56.4131, 8.3626



12.2712, 12.7330, 12.4230



19.1509, 14.2349, 1.7382



1.1501, 0.9544, 0.1236

Inverse Universe

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



17.1013, 15.5902, 63.0800



26.3491, 23.8182, 97.8164



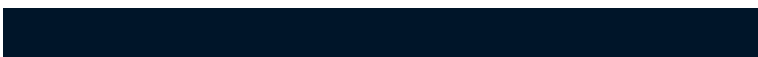
11.7089, 4.8052, 61.2826



11.6640, 12.4182, 15.0259



10.5327, 9.7120, 38.5120



0.6682, 0.7015, 2.1798

Previews

White Background



This preview shows how the XYZ color 31.2320, 23.0090, 2.7951 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 31.2320, 23.0090, 2.7951 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 31.2320, 23.0090, 2.7951

Background



This preview shows how black text looks on a background with the XYZ color 31.2320, 23.0090, 2.7951.



This preview shows how white text looks on a background with the XYZ color 31.2320, 23.0090,

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

31.2320, 23.0090, 2.7951

Protanopia

20.8995, 23.2116, 3.9949

Deuteranopia

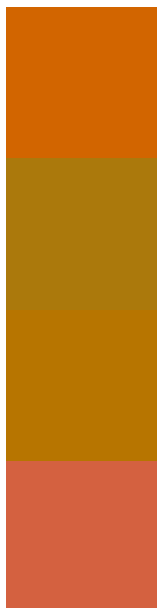
23.3972, 23.1372, 3.2328



Tritanopia

33.7435, 23.0716, 14.7314

Trichromacy



Original Color

31.2320, 23.0090, 2.7951

Protanomaly

23.6983, 22.3592, 3.4145

Deuteranomaly

25.8897, 22.7899, 3.0343

Tritanomaly

32.3515, 22.9166, 7.5687

Monochromacy



Original Color

31.2320, 23.0090, 2.7951

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.7189, 19.4547, 9.8709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2320, 23.0090, 2.7951 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(210, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 101, 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(210, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 101, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.2320, 23.0090, 2.7951 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(210, 101, 0) }
```


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

```
.border{ border-color:rgb(210, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(210, 101,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2320, 23.0090, 2.7951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 101, 0) }
```

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

```
.background{ background-color: rgb(210,  
101, 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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