

Converting Colors

XYZ(31.3340, 30.6793, 4.2706)

Have a look what the booklet for
XYZ(31.3340, 30.6793, 4.2706)
contains.

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Color

**XYZ(31.3083, 30.7213,
4.2797)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8F00
RGB	191, 143, 0
RGB Percent	75%, 56%, 0%
CMY	0.2510, 0.4392, 1.0000
CMYK	0.00, 0.25, 1.00, 0.25
HSL	45°, 100%, 37%
HSV	45°, 100%, 75%
XYZ	31.3083, 30.7213, 4.2797
YIQ	141.0500, 74.5110, -34.2970

Conversions

Conversions Part 2

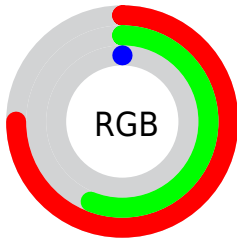
Format	Color
RYB	64, 191, 0
Decimal	12553984
CIELab	62.27, 7.93, 66.95
CIELCh	62, 67.419, 83.242
Yxy	30.7213, 0.4722, 0.4633
Android (android.graphics.Color)	4290744064 (0xFFBF8F00)
YUV	141.0500, -69.5376, 43.8062
Hunter-Lab	55.4268, 3.8304, 34.2208

Details

The XYZ color **31.3083, 30.7213, 4.2797** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.4612, 5.8760, 49.8725**, and the grayscale version is **25.5822, 26.9145, 29.3098**.

A 20% lighter version of the original color is **61.0545, 60.6432, 14.6183**, and **13.4301, 12.7342, 1.7501** is the 20% darker color. If you saturate the color by 10%, you get **31.3085, 30.7219, 4.2798**, and if you desaturate by 10%, it is **32.1635, 32.2424, 5.1493**.

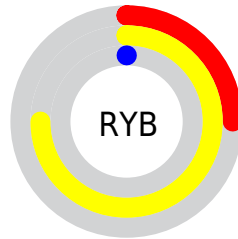
Distribution



Red (75%)

Green (56%)

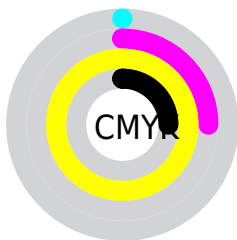
Blue (0%)



Red (25%)

Yellow (75%)

Blue (0%)

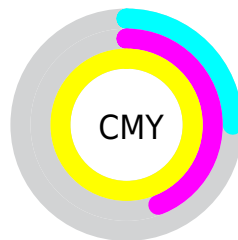


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3083, 30.7213, 4.2797 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 31.3083, 30.7213, 4.2797 by changing the saturation by 10% instead.

31.3083, 30.7213,
4.2797

31.3083, 30.7213,
4.2797

299.7577,
305.2523, 151.2853

20.9867, 20.3867,
1.7800

61.0977, 60.8010,
14.6499

13.2267, 12.6765,
0.4147

81.2962, 81.3149,
23.3574

7.6629, 7.2061,
0.0000

105.5177,
105.9908, 34.9713

3.9300, 3.5914,
0.0000

134.1275,
135.2129, 49.9101

1.6626, 1.4477,
0.0000

167.4911,
169.3657, 68.5924


0.4327, 0.2515,
0.0000


205.9738,


0.0000, 0.0000,


208.8336, 91.4367


0.0000


 249.9409,
254.0010, 118.8614


 31.3083, 30.7213,
4.2797


 31.3083, 30.7213,
4.2797


 31.3085, 30.7219,
4.2798

 32.1635, 32.2424,
5.1493

 33.1656, 33.8709,
6.6414

 34.3575, 35.6258,
8.9775

 35.7608, 37.5164,
12.2694

 37.3940, 39.5506,
16.6120

■ 39.2730, 41.7354,
22.0886

■ 41.4125, 44.0772,
28.7740

■ 43.8258, 46.5818,
36.7367

■ 46.5251, 49.2546,
46.0401

Harmonies

Analogous

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



40.9779, 30.7213, 7.2163



31.3083, 30.7213, 4.2797



22.8222, 30.7213, 5.2955

Triad

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



31.3083, 30.7213, 4.2797



15.8878, 30.7213, 57.3904



45.5894, 30.7213, 73.3146

Complementary

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



31.3083, 30.7213, 4.2797



10.4612, 5.8760, 49.8725

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.



36.6666, 30.7213, 103.8954



31.3083, 30.7213, 4.2797



19.9269, 30.7213, 91.8366

Square

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



31.3083, 30.7213, 4.2797



15.0377, 30.7213, 27.8911



27.1879, 30.7213, 112.0181



50.2609, 30.7213, 39.7030

Rectangle

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



31.3083, 30.7213, 4.2797



18.7741, 30.7213, 8.6085



27.1879, 30.7213, 112.0181



42.9088, 30.7213, 84.8731

Sweetspot

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



31.3090, 30.7228, 4.2803



73.9753, 78.7349, 50.9072



22.0820, 11.3150, 4.1454



15.8744, 16.8899, 10.0066



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3090, 30.7228, 4.2803



55.8706, 54.6164, 7.5973



30.5623, 43.4122, 6.7689



10.1137, 10.7034, 10.1096



20.6424, 20.3236, 2.8349



0.8577, 0.8944, 0.1274

Inverse Universe

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



10.4612, 5.8760, 49.8725



18.5738, 10.1994, 89.2689



10.4676, 4.3101, 49.5700



9.2061, 9.6046, 12.0409



6.9299, 3.9715, 32.7942



0.3255, 0.2638, 1.3026

Previews

White Background



This preview shows how the XYZ color 31.3083, 30.7213, 4.2797 looks on a white background.

Color Contrast Check

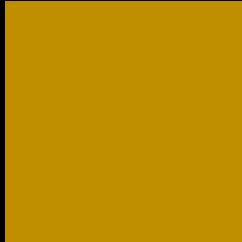
Large Text (above 18pt) WCAG AA × Fail

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 31.3083, 30.7213, 4.2797 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 ✓ Pass

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

XYZ 31.3083, 30.7213, 4.2797

Background



This preview shows how black text looks on a background with the XYZ color 31.3083, 30.7213, 4.2797.



This preview shows how white text looks on a background with the XYZ color 31.3083, 30.7213,

4.2797.

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

31.3083, 30.7213, 4.2797

Protanopia

27.6990, 30.7012, 4.7532

Deuteranopia

31.3083, 30.7213, 4.2797



Tritanopia

36.6342, 30.7640, 29.9938

Trichromacy



Original Color

31.3083, 30.7213, 4.2797

Protanomaly

28.9829, 30.6579, 4.5623

Deuteranomaly

31.3083, 30.7213, 4.2797

Tritanomaly

33.3397, 30.2488, 13.9789

Monochromacy



Original Color

31.3083, 30.7213, 4.2797

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.8165, 27.4551, 13.6115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3083, 30.7213, 4.2797 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(191, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 143, 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(191, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 143, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.3083, 30.7213, 4.2797 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(191, 143, 0) }
```


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

```
.border{ border-color:rgb(191, 143, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 143,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3083, 30.7213, 4.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 143, 0) }
```

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

```
.background{ background-color: rgb(191,  
143, 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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