

Converting Colors

XYZ(31.2107, 22.9501, 1.4218)

Have a look what the booklet for
XYZ(31.2107, 22.9501, 1.4218)
contains.

XYZ(31.4211, 22.9632, 2.7763)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4211, 22.9632,
2.7763)**

Conversions

Conversions Part 1

Format	Color
Hex	D36400
RGB	211, 100, 0
RGB Percent	83%, 39%, 0%
CMY	0.1726, 0.6078, 1.0000
CMYK	0.00, 0.53, 1.00, 0.17
HSL	28°, 100%, 41%
HSV	28°, 100%, 83%
XYZ	31.4211, 22.9632, 2.7763
YIQ	121.7890, 98.2560, -7.5680

Conversions

Conversions Part 2

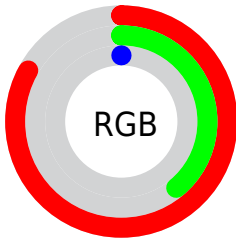
Format	Color
RYB	211, 190, 0
Decimal	13853696
CIELab	55.03, 39.54, 63.61
CIElCh	55, 74.896, 58.132
Yxy	22.9632, 0.5497, 0.4017
Android (android.graphics.Color)	4292043776 (0xFFD36400)
YUV	121.7890, -60.0420, 78.2380
Hunter-Lab	47.9199, 33.1826, 30.1089

Details

The XYZ color **31.4211, 22.9632, 2.7763** 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 **17.4422, 16.0718, 63.8103**, and the grayscale version is **18.5980, 19.5666, 21.3080**.

A 20% lighter version of the original color is **53.5854, 44.4241, 10.7515**, and **13.4927, 8.5862, 0.9462** is the 20% darker color. If you saturate the color by 10%, you get **31.4212, 22.9638, 2.7764**, and if you desaturate by 10%, it is **32.6961, 25.2955, 3.8739**.

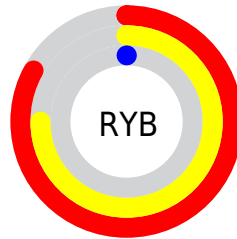
Distribution



Red (83%)

Green (39%)

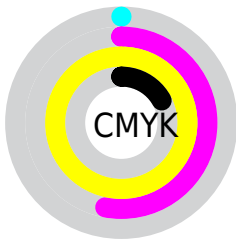
Blue (0%)



Red (83%)

Yellow (75%)

Blue (0%)

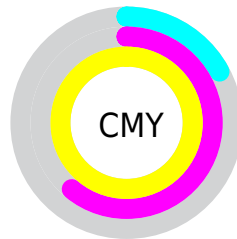


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (61%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4211, 22.9632, 2.7763 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 31.4211, 22.9632, 2.7763 by changing the saturation by 10% instead.

 31.4211, 22.9632,
2.7763


 31.4211, 22.9632,
2.7763


300.2660,
267.5359, 133.4584


 21.0731, 14.5663,
0.9816


 61.2738, 48.3329,
11.0713

 13.2902, 8.5156,
0.0000


 81.5092, 66.0745,
18.4086

 7.7071, 4.4266,
0.0000


 105.7711, 87.6998,
28.4305

 3.9583, 1.9149,
0.0000

 134.4249,
113.5933, 41.5556

 1.6786, 0.5573,
0.0000

 167.8360,
144.1392, 58.2024


 0.4428, 0.0000,
0.0000


 206.3696,


 0.0000, 0.0000,


179.7220, 78.7895


0.0000


 250.3912,
220.7261, 103.7353


 31.4211, 22.9632,
2.7763


 31.4211, 22.9632,
2.7763


 31.4212, 22.9638,
2.7764

 32.6961, 25.2955,
3.8739

 34.2702, 27.9872,
5.8058

 36.1990, 31.0700,
8.8369

 38.5147, 34.5648,
13.1130

 41.2452, 38.4902,
18.7570

■ 44.4152, 42.8635,
25.8770

■ 48.0473, 47.7007,
34.5700

■ 52.1623, 53.0168,
44.9248

■ 56.7796, 58.8261,
57.0234

Harmonies

Analogous

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



39.2162, 22.9632, 9.0117



31.4211, 22.9632, 2.7763



22.3521, 22.9632, 1.4694

Triad

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



31.4211, 22.9632, 2.7763



9.4125, 22.9632, 23.5375



30.2823, 22.9632, 91.1909

Complementary

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



31.4211, 22.9632, 2.7763



17.4422, 16.0718, 63.8103

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.



21.3079, 22.9632, 104.5795



31.4211, 22.9632, 2.7763



10.5291, 22.9632, 53.4670

Square

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



31.4211, 22.9632, 2.7763



10.8535, 22.9632, 7.7628



14.4147, 22.9632, 87.6940



38.4497, 22.9632, 57.8815

Rectangle

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



31.4211, 22.9632, 2.7763



17.2111, 22.9632, 1.8371



14.4147, 22.9632, 87.6940



27.1995, 22.9632, 98.8379

Sweetspot

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



31.4216, 22.9645, 2.7767



73.5649, 72.9719, 52.5909



29.8184, 15.0307, 16.8158



15.2204, 14.9248, 9.9816



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.



31.4216, 22.9645, 2.7767



48.0601, 34.9002, 4.2034



48.4485, 57.0183, 8.4523



12.2642, 12.7191, 12.4207



19.0640, 14.0609, 1.7093



1.1451, 0.9446, 0.1220

Inverse Universe

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



17.4422, 16.0718, 63.8103



26.5948, 24.3095, 97.8983



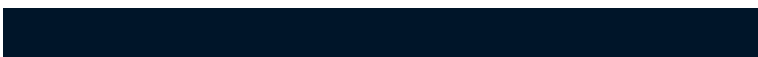
11.8343, 4.8560, 61.9410



11.6710, 12.4322, 15.0282



10.6296, 9.9058, 38.5443



0.6735, 0.7122, 2.1815

Previews

White Background



This preview shows how the XYZ color 31.4211, 22.9632, 2.7763 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 31.4211, 22.9632, 2.7763 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 31.4211, 22.9632, 2.7763

Background



This preview shows how black text looks on a background with the XYZ color 31.4211, 22.9632, 2.7763.



This preview shows how white text looks on a background with the XYZ color 31.4211, 22.9632,

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

31.4211, 22.9632, 2.7763

Protanopia

20.8995, 23.2116, 3.9949

Deuteranopia

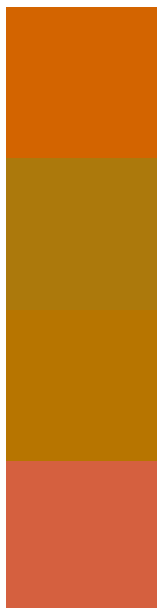
23.3972, 23.1372, 3.2328



Tritanopia

33.8980, 23.0257, 14.4622

Trichromacy



Original Color

31.4211, 22.9632, 2.7763

Protanomaly

23.9170, 22.4719, 3.4248

Deuteranomaly

25.8897, 22.7899, 3.0343

Tritanomaly

32.5206, 22.8708, 7.4031

Monochromacy



Original Color

31.4211, 22.9632, 2.7763

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 31.4211, 22.9632, 2.7763 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(211, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 100, 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(211, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 100, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.4211, 22.9632, 2.7763 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(211, 100, 0) }
```


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

```
.border{ border-color:rgb(211, 100, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 100,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4211, 22.9632, 2.7763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 100, 0) }
```

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

```
.background{ background-color: rgb(211,  
100, 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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