

Converting Colors

XYZ(30.6847, 24.0726, 1.1071)

Have a look what the booklet for
XYZ(30.6847, 24.0726, 1.1071)
contains.

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Color

**XYZ(31.0295, 24.2737,
3.0499)**

Conversions

Conversions Part 1

Format	Color
Hex	CE6E00
RGB	206, 110, 0
RGB Percent	81%, 43%, 0%
CMY	0.1922, 0.5686, 1.0000
CMYK	0.00, 0.47, 1.00, 0.19
HSL	32°, 100%, 40%
HSV	32°, 100%, 81%
XYZ	31.0295, 24.2737, 3.0499
YIQ	126.1640, 92.5260, -13.8580

Conversions

Conversions Part 2

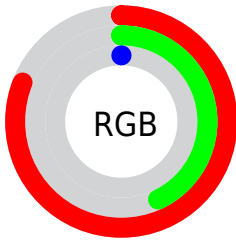
Format	Color
R _Y B	180, 206, 0
Decimal	13528576
CIE Lab	56.36, 32.38, 64.02
CIE LCh	56, 71.744, 63.169
Yxy	24.2737, 0.5318, 0.4160
Android (android.graphics.Color)	4291718656 (0xFFCE6E00)
YUV	126.1640, -62.1989, 70.0162
Hunter-Lab	49.2683, 26.2008, 30.8176

Details

The XYZ color **31.0295, 24.2737, 3.0499** 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 **15.3235, 12.8221, 60.0592**, and the grayscale version is **20.0713, 21.1165, 22.9959**.

A 20% lighter version of the original color is **55.3206, 47.8477, 11.4741**, and **13.2929, 9.2515, 1.0851** is the 20% darker color. If you saturate the color by 10%, you get **31.0296, 24.2742, 3.0499**, and if you desaturate by 10%, it is **32.2543, 26.5128, 4.1081**.

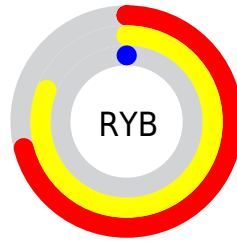
Distribution



Red (81%)

Green (43%)

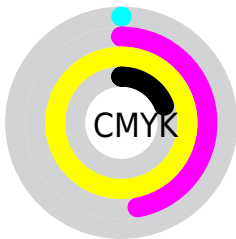
Blue (0%)



Red (71%)

Yellow (81%)

Blue (0%)

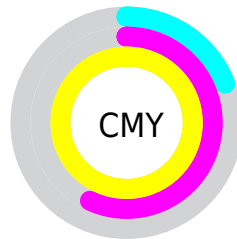


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0295, 24.2737, 3.0499 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 31.0295, 24.2737, 3.0499 by changing the saturation by 10% instead.


 31.0295, 24.2737,
3.0499


 31.0295, 24.2737,
3.0499


298.4987,
274.2013, 136.9937

 20.7732, 15.5368,
1.1202


 60.6620, 50.4765,
11.7513


 13.0699, 9.1970,
0.0000


 80.7690, 68.7111,
19.3601

 7.5540, 4.8699,
0.0000


 104.8903, 90.8804,
29.6990

 3.8603, 2.1711,
0.0000

 133.3913,
117.3689, 43.1865

 1.6234, 0.7042,
0.0000

 166.6372,
148.5608, 60.2411

 0.4076, 0.0000,
0.0000


 204.9935,


 0.0000, 0.0000,


184.8405, 81.2815


0.0000


 248.8256,
226.5926, 106.7262


 31.0295, 24.2737,
3.0499

 31.0295, 24.2737,
3.0499


 31.0296, 24.2742,
3.0499

 32.2543, 26.5128,
4.1081

 33.7346, 29.0381,
5.9438

 35.5221, 31.8764,
8.8104

 37.6455, 35.0443,
12.8444

 40.1296, 38.5565,
18.1611

■ 42.9964, 42.4264,
24.8619

■ 46.2657, 46.6666,
33.0379

■ 49.9560, 51.2887,
42.7723

■ 54.0844, 56.3037,
54.1419

Harmonies

Analogous

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



39.1290, 24.2737, 8.5093



31.0295, 24.2737, 3.0499



22.2025, 24.2737, 2.0407

Triad

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



31.0295, 24.2737, 3.0499



10.5463, 24.2737, 29.0313



32.9240, 24.2737, 85.9170

Complementary

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



31.0295, 24.2737, 3.0499



15.3235, 12.8221, 60.0592

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.



23.9627, 24.2737, 103.1002



31.0295, 24.2737, 3.0499



12.1459, 24.2737, 60.0476

Square

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



31.0295, 24.2737, 3.0499



11.5811, 24.2737, 10.7291



16.6055, 24.2737, 91.5674



40.3939, 24.2737, 52.8147

Rectangle

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



31.0295, 24.2737, 3.0499



17.3573, 24.2737, 2.7672



16.6055, 24.2737, 91.5674



29.9193, 24.2737, 94.4163

Sweetspot

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



31.0300, 24.2750, 3.0503



74.7493, 75.3407, 52.9857



27.5711, 13.9689, 12.3426



15.5003, 15.4845, 10.0749



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.



31.0300, 24.2750, 3.0503



50.0680, 38.9160, 4.8727



45.6595, 56.3024, 8.4612



11.7001, 12.1891, 11.8155



19.2053, 15.1435, 1.9108



1.0663, 0.9323, 0.1238

Inverse Universe

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



15.3235, 12.8221, 60.0592



24.6267, 20.3734, 97.2422



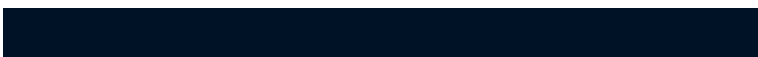
11.2266, 4.5007, 58.6689



11.0255, 11.6914, 14.2459



9.5307, 8.0854, 37.0146



0.5674, 0.5685, 1.9348

Previews

White Background



This preview shows how the XYZ color 31.0295, 24.2737, 3.0499 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 31.0295, 24.2737, 3.0499 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 31.0295, 24.2737, 3.0499

Background



This preview shows how black text looks on a background with the XYZ color 31.0295, 24.2737, 3.0499.



This preview shows how white text looks on a background with the XYZ color 31.0295, 24.2737,

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

31.0295, 24.2737, 3.0499

Protanopia

22.0422, 24.4211, 4.0823

Deuteranopia

24.6448, 24.3584, 3.4027



Tritanopia

34.0900, 24.3085, 17.3633

Trichromacy



Original Color

31.0295, 24.2737, 3.0499

Protanomaly

24.6630, 23.9736, 3.6441

Deuteranomaly

26.7267, 24.1094, 3.2449

Tritanomaly

32.4202, 24.0881, 8.5710

Monochromacy



Original Color

31.0295, 24.2737, 3.0499

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.6820, 20.9807, 10.4963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0295, 24.2737, 3.0499 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(206, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 110, 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(206, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 110, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.0295, 24.2737, 3.0499 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(206, 110, 0) }
```


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

```
.border{ border-color:rgb(206, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 110,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0295, 24.2737, 3.0499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 110, 0) }
```

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

```
.background{ background-color: rgb(206,  
110, 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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