

Converting Colors

XYZ(31.3536, 24.3410, 4.2897)

Have a look what the booklet for
XYZ(31.3536, 24.3410, 4.2897)
contains.

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Color

**XYZ(31.2639, 24.3674,
4.2839)**

Conversions

Conversions Part 1

Format	Color
Hex	CE6E1E
RGB	206, 110, 30
RGB Percent	81%, 43%, 12%
CMY	0.1922, 0.5686, 0.8823
CMYK	0.00, 0.47, 0.85, 0.19
HSL	27°, 75%, 46%
HSV	27°, 85%, 81%
XYZ	31.2639, 24.3674, 4.2839
YIQ	129.5840, 82.8960, -4.5280

Conversions

Conversions Part 2

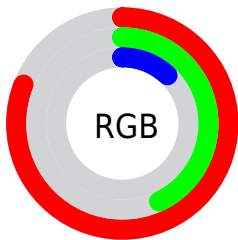
Format	Color
R_{YB}	206, 177, 30
Decimal	13528606
CIE Lab	56.45, 32.85, 56.90
CIE LCh	56, 65.698, 60.002
Yxy	24.3674, 0.5218, 0.4067
Android (android.graphics.Color)	4291718686 (0xFFCE6E1E)
YUV	129.5840, -49.0949, 67.0168
Hunter-Lab	49.3633, 26.6658, 29.4090

Details

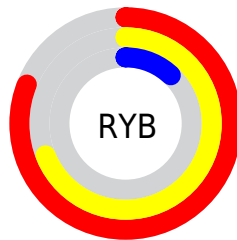
The XYZ color **31.2639, 24.3674, 4.2839** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **19.1364, 19.6530, 61.1770**, and the grayscale version is **21.2192, 22.3243, 24.3111**.

A 20% lighter version of the original color is **55.8985, 48.0789, 14.5176**, and **13.2929, 9.2515, 1.0851** is the 20% darker color. If you saturate the color by 10%, you get **29.9451, 22.0226, 2.9425**, and if you desaturate by 10%, it is **32.9091, 27.0909, 6.5809**.

Distribution



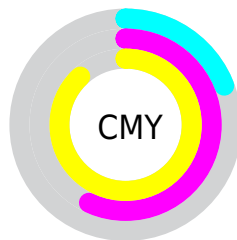
- Red (81%)
- Green (43%)
- Blue (12%)



- Red (81%)
- Yellow (69%)
- Blue (12%)



- Cyan (0%)
- Magenta (47%)
- Yellow (85%)
- Black (19%)





- Cyan (19%)
- Magenta (57%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2639, 24.3674, 4.2839 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 31.2639, 24.3674, 4.2839 by changing the saturation by 10% instead.

 31.2639, 24.3674,
4.2839


 31.2639, 24.3674,
4.2839


299.5575,
274.6727, 151.3305


 20.9527, 15.6064,
1.7823


 61.0283, 50.6291,
14.6594

 13.2017, 9.2461,
0.4163


 81.2123, 68.8985,
23.3704


 7.6455, 4.9020,
0.0000


 105.4178, 91.1063,
34.9884

 3.9189, 2.1899,
0.0000

 134.0104,
117.6366, 49.9317

 1.6563, 0.7145,
0.0000

 167.3553,
148.8741, 68.6191

 0.4287, 0.0000,
0.0000

 205.8178,

 0.0000, 0.0000,

185.2030, 91.4690

0.0000

249.7635,
227.0077, 118.8999

31.2639, 24.3674,
4.2839

31.2639, 24.3674,
4.2839

29.9451, 22.0226,
2.9425

32.9091, 27.0909,
6.5809

29.4244, 21.0636,
2.5148

34.9135, 30.2117,
9.9868

37.3065, 33.7509,
14.6284

40.1135, 37.7264,
20.6149

43.3572, 42.1551,
28.0429

■ 47.0586, 47.0524,
37.0005

■ 51.2371, 52.4333,
47.5683

■ 55.9109, 58.3117,
59.8214

■ 61.0971, 64.7010,
73.8300

Harmonies

Analogous

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



38.2647, 24.3674, 10.6222



31.2639, 24.3674, 4.2839



23.1600, 24.3674, 2.8270

Triad

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



31.2639, 24.3674, 4.2839



11.4031, 24.3674, 26.5335



31.2650, 24.3674, 81.8013

Complementary

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



31.2639, 24.3674, 4.2839



19.1364, 19.6530, 61.1770

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.



23.1610, 24.3674, 94.2677



31.2639, 24.3674, 4.2839



12.6684, 24.3674, 53.4508

Square

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



31.2639, 24.3674, 4.2839



12.6680, 24.3674, 10.6236



16.5943, 24.3674, 81.8045



38.2654, 24.3674, 53.4466

Rectangle

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



31.2639, 24.3674, 4.2839



18.5119, 24.3674, 3.4334



16.5943, 24.3674, 81.8045



28.5286, 24.3674, 88.5097

Sweetspot

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



31.2644, 24.3687, 4.2843



75.6821, 75.4997, 58.5576



29.7356, 15.5776, 21.4503



15.7355, 15.5508, 11.3993



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.



31.2644, 24.3687, 4.2843



47.4757, 33.7314, 4.0086



45.6994, 53.2387, 9.0960



11.6253, 12.0396, 11.7906



18.2131, 13.1591, 1.5800



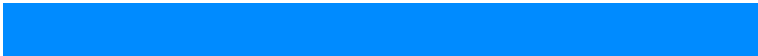
1.0151, 0.8299, 0.1067

Inverse Universe

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



19.1364, 19.6530, 61.1770



27.2948, 25.7095, 98.1316



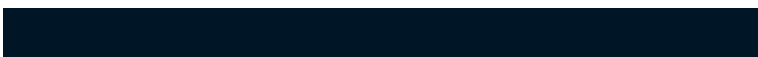
12.3951, 6.1704, 58.9299



11.1003, 11.8410, 14.2709



10.5504, 10.1248, 37.3545



0.6195, 0.6729, 1.9522

Previews

White Background



This preview shows how the XYZ color 31.2639, 24.3674, 4.2839 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 31.2639, 24.3674, 4.2839 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 31.2639, 24.3674, 4.2839

Background



This preview shows how black text looks on a background with the XYZ color 31.2639, 24.3674, 4.2839.



This preview shows how white text looks on a background with the XYZ color 31.2639, 24.3674,

4.2839.

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

31.2639, 24.3674, 4.2839

Protanopia

22.2750, 24.5142, 5.3080

Deuteranopia

24.9811, 24.5182, 4.0319



Tritanopia

33.9592, 24.3816, 17.6681

Trichromacy



Original Color

31.2639, 24.3674, 4.2839

Protanomaly

24.8914, 24.0649, 4.8464

Deuteranomaly

26.8814, 24.1713, 4.0593

Tritanomaly

32.6517, 24.3120, 10.7563

Monochromacy



Original Color

31.2639, 24.3674, 4.2839

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.2039, 22.2432, 13.6601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2639, 24.3674, 4.2839 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(206, 110, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 110, 30) }
```

Border

The CSS property to change the border of an element to XYZ 31.2639, 24.3674, 4.2839 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, 30) }
```


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

```
.border{ border-color:rgb(206, 110, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 110, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 110, 30);  
box-shadow:4px 4px 4px 4px rgb(206, 110,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2639, 24.3674, 4.2839 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, 30) }
```

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

```
.background{ background-color: rgb(206,  
110, 30) }
```

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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