

Converting Colors

XYZ(31.4685, 25.9385, 6.1014)

Have a look what the booklet for
XYZ(31.4685, 25.9385, 6.1014)
contains.

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Color

**XYZ(31.4874, 25.9636,
6.1482)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7730
RGB	202, 119, 48
RGB Percent	79%, 47%, 19%
CMY	0.2078, 0.5333, 0.8118
CMYK	0.00, 0.41, 0.76, 0.21
HSL	28°, 62%, 49%
HSV	28°, 76%, 79%
XYZ	31.4874, 25.9636, 6.1482
YIQ	135.7230, 72.2590, -4.4850

Conversions

Conversions Part 2

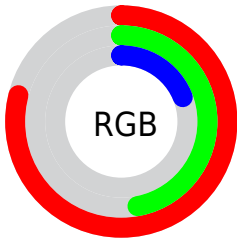
Format	Color
R _Y B	202, 180, 48
Decimal	13268784
CIE Lab	58.00, 26.99, 50.86
CIE LCh	58, 57.580, 62.045
Yxy	25.9636, 0.4951, 0.4082
Android (android.graphics.Color)	4291458864 (0xFFCA7730)
YUV	135.7230, -43.2474, 58.1249
Hunter-Lab	50.9545, 21.1340, 28.5142

Details

The XYZ color **31.4874, 25.9636, 6.1482** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **19.9952, 21.1239, 58.9001**, and the grayscale version is **23.4365, 24.6570, 26.8515**.

A 20% lighter version of the original color is **58.2447, 51.6659, 18.7071**, and **13.3455, 10.1311, 1.2521** is the 20% darker color. If you saturate the color by 10%, you get **29.9393, 23.3898, 4.0229**, and if you desaturate by 10%, it is **33.3748, 28.9129, 9.3229**.

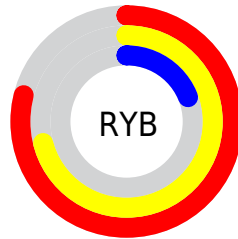
Distribution



Red (79%)

Green (47%)

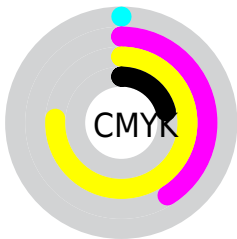
Blue (19%)



Red (79%)

Yellow (71%)

Blue (19%)

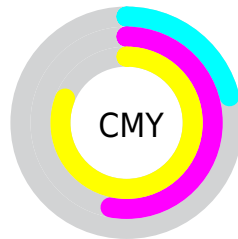


Cyan (0%)

Magenta (41%)

Yellow (76%)

Black (21%)



Cyan (21%)


Magenta (53%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4874, 25.9636, 6.1482 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 31.4874, 25.9636, 6.1482 by changing the saturation by 10% instead.


 31.4874, 25.9636,
6.1482


 31.4874, 25.9636,
6.1482


300.5645,
282.6033, 169.7384


 21.1239, 16.7964,
2.8652


 61.3773, 53.2162,
18.7207

 13.3276, 10.0894,
1.0262


 81.6343, 72.0704,
28.8472

 7.7331, 5.4583,
0.0000

 105.9200, 94.9225,
42.0920

 3.9750, 2.5186,
0.0000

 134.5996,
122.1567, 58.8735

 1.6880, 0.8859,
0.0000

 168.0385,
154.1575, 79.6104

 0.4487, 0.0000,
0.0000

 206.6020,

 0.0000, 0.0000,

191.3093, 104.7211

0.0000

250.6556,
233.9964, 134.6243

■ 31.4874, 25.9636,
6.1482

■ 31.4874, 25.9636,
6.1482

■ 29.9393, 23.3898,
4.0229

■ 33.3748, 28.9129,
9.3229

■ 28.6949, 21.1657,
2.7913

■ 35.6273, 32.2522,
13.6676

■ 28.2832, 20.4091,
2.4487

■ 38.2697, 35.9999,
19.2875

■ 41.3238, 40.1714,
26.2757

■ 44.8094, 44.7816,
34.7165

■ 48.7451, 49.8442,
44.6872

■ 53.1480, 55.3724,
56.2597

■ 58.0346, 61.3787,
69.5012

■ 63.4203, 67.8751,
84.4753

Harmonies

Analogous

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



37.8270, 25.9636, 12.4368



31.4874, 25.9636, 6.1482



24.2037, 25.9636, 4.6778

Triad

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



31.4874, 25.9636, 6.1482



13.5865, 25.9636, 29.6581



32.4693, 25.9636, 74.7039

Complementary

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



31.4874, 25.9636, 6.1482



19.9952, 21.1239, 58.9001

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.



25.1577, 25.9636, 86.3630



31.4874, 25.9636, 6.1482



14.9947, 25.9636, 53.8283

Square

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



31.4874, 25.9636, 6.1482



14.6551, 25.9636, 13.8562



18.9281, 25.9636, 77.3454



38.4647, 25.9636, 50.2748

Rectangle

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



31.4874, 25.9636, 6.1482



19.9937, 25.9636, 5.5647



18.9281, 25.9636, 77.3454



30.0412, 25.9636, 80.6534

Sweetspot

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



31.4880, 25.9650, 6.1487



77.7362, 78.2465, 63.4396



29.6269, 16.3557, 23.6774



16.1402, 16.0998, 12.3363



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.



31.4880, 25.9650, 6.1487



49.3691, 37.2715, 5.4001



44.2489, 51.4868, 10.4023



11.6314, 12.0518, 11.7926



18.2872, 13.3074, 1.6047



1.0190, 0.8377, 0.1080

Inverse Universe

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



19.9952, 21.1239, 58.9001



28.9933, 28.5838, 98.5969



13.2794, 7.6922, 56.6614



11.0941, 11.8287, 14.2688



10.4597, 9.9433, 37.3242



0.6150, 0.6638, 1.9507

Previews

White Background



This preview shows how the XYZ color 31.4874, 25.9636, 6.1482 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 31.4874, 25.9636, 6.1482 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 31.4874, 25.9636, 6.1482

Background



This preview shows how black text looks on a background with the XYZ color 31.4874, 25.9636, 6.1482.



This preview shows how white text looks on a background with the XYZ color 31.4874, 25.9636,

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

31.4874, 25.9636, 6.1482

Protanopia

23.7542, 26.0904, 7.2740

Deuteranopia

26.5213, 26.0709, 6.0172



Tritanopia

34.6379, 26.0662, 20.9750

Trichromacy



Original Color

31.4874, 25.9636, 6.1482

Protanomaly

26.1047, 25.6347, 6.8209

Deuteranomaly

28.2004, 25.9421, 6.0036

Tritanomaly

33.3280, 26.0488, 13.8610

Monochromacy



Original Color

31.4874, 25.9636, 6.1482

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.9785, 24.4383, 16.4973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4874, 25.9636, 6.1482 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(202, 119, 48)` looks like.

```
.text, #text, p{  
    color:rgb(202, 119, 48)  
}
```

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(202, 119, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 119, 48) }
```

Border

The CSS property to change the border of an element to XYZ 31.4874, 25.9636, 6.1482 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(202, 119, 48) }
```


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

```
.border{ border-color:rgb(202, 119, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 119, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 119, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 119, 48);  
box-shadow:4px 4px 4px 4px rgb(202, 119,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4874, 25.9636, 6.1482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 119, 48) }
```

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

```
.background{ background-color: rgb(202,  
119, 48) }
```

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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