

# Converting Colors

XYZ(31.4943, 25.9141, 5.0261)

Have a look what the booklet for  
XYZ(31.4943, 25.9141, 5.0261)  
contains.

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# Color

**XYZ(31.5439, 26.0175,  
5.0284)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB7724
RGB	203, 119, 36
RGB Percent	80%, 47%, 14%
CMY	0.2039, 0.5333, 0.8588
CMYK	0.00, 0.41, 0.82, 0.20
HSL	30°, 70%, 47%
HSV	30°, 82%, 80%
XYZ	31.5439, 26.0175, 5.0284
YIQ	134.6540, 76.7070, -8.0050

# Conversions

## Conversions Part 2

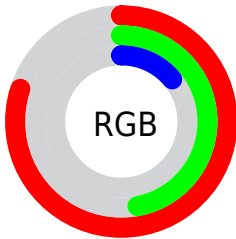
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 201, 36
Decimal	13334308
CIE Lab	58.05, 26.98, 55.92
CIE LCh	58, 62.091, 64.247
Yxy	26.0175, 0.5040, 0.4157
Android (android.graphics.Color)	4291524388 (0xFFCB7724)
YUV	134.6540, -48.6364, 59.9394
Hunter-Lab	51.0074, 21.1249, 29.8602

# Details

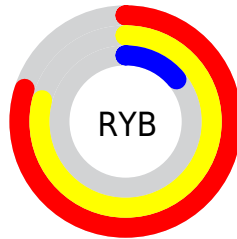
The XYZ color **31.5439, 26.0175, 5.0284** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **18.2232, 18.1191, 59.0365**, and the grayscale version is **23.0561, 24.2568, 26.4157**.

A 20% lighter version of the original color is **57.7540, 51.4696, 16.1232**, and **13.5179, 10.2200, 1.2602** is the 20% darker color. If you saturate the color by 10%, you get **30.1667, 23.6267, 3.4491**, and if you desaturate by 10%, it is **33.2285, 28.7424, 7.5768**.

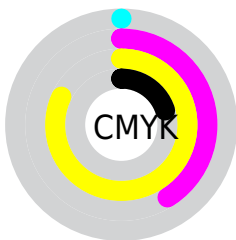
# Distribution



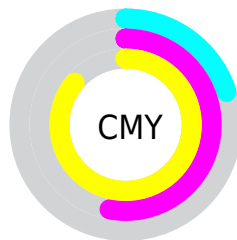
- Red (80%)
- Green (47%)
- Blue (14%)



- Red (80%)
- Yellow (79%)
- Blue (14%)



- Cyan (0%)
- Magenta (41%)
- Yellow (82%)
- Black (20%)




- Cyan (20%)
- Magenta (53%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5439, 26.0175, 5.0284 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 31.5439, 26.0175, 5.0284 by changing the saturation by 10% instead.





 31.5439, 26.0175,  
5.0284


 31.5439, 26.0175,  
5.0284


300.8186,  
282.8680, 159.0494


 21.1672, 16.8367,  
2.2049


 61.4654, 53.3032,  
16.3196

 13.3594, 10.1182,  
0.6772


 81.7410, 72.1769,  
25.6243


 7.7552, 5.4774,  
0.0000

 106.0468, 95.0503,  
37.9266

 3.9892, 2.5300,  
0.0000

 134.7484,  
122.3080, 53.6449

 1.6960, 0.8916,  
0.0000

 168.2110,  
154.3341, 73.1978

 0.4538, 0.0000,  
0.0000

 206.8000,

 0.0000, 0.0000,

191.5133, 97.0038

0.0000

250.8808,  
234.2298, 125.4815

■ 31.5439, 26.0175,  
5.0284

■ 31.5439, 26.0175,  
5.0284

■ 30.1667, 23.6267,  
3.4491

■ 33.2285, 28.7424,  
7.5768

■ 29.2722, 21.9839,  
2.7005

■ 35.2485, 31.8156,  
11.2311

■ 37.6300, 35.2545,  
16.1070

■ 40.3955, 39.0740,  
22.3052

■ 43.5654, 43.2878,  
29.9157

■ 47.1583, 47.9087,  
39.0206

■ 51.1917, 52.9489,  
49.6956

■ 55.6819, 58.4200,  
62.0113

■ 60.6444, 64.3330,  
76.0339

# Harmonies

## Analogous

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



38.6787, 26.0175, 10.8548



31.5439, 26.0175, 5.0284



23.6755, 26.0175, 3.8701

# Triad

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



31.5439, 26.0175, 5.0284



12.9488, 26.0175, 31.5007



33.7714, 26.0175, 78.0657

# Complementary

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



31.5439, 26.0175, 5.0284



18.2232, 18.1191, 59.0365

# 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.



25.8130, 26.0175, 92.7638



31.5439, 26.0175, 5.0284



14.6153, 26.0175, 58.5327

# Square

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



31.5439, 26.0175, 5.0284



13.8755, 26.0175, 13.8984



18.9737, 26.0175, 84.2372



40.1366, 26.0175, 50.3475



# Rectangle

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



31.5439, 26.0175, 5.0284



19.2634, 26.0175, 4.8848



18.9737, 26.0175, 84.2372



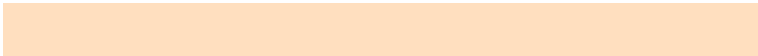
31.1412, 26.0175, 85.1904

# Sweetspot

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



31.5445, 26.0189, 5.0289



77.0421, 77.7737, 60.3859



28.7900, 15.3706, 19.9543



16.0309, 16.0564, 11.7606



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.



31.5445, 26.0189, 5.0289



48.9765, 36.7107, 4.5778



45.6514, 54.2327, 9.7312



11.6652, 12.1193, 11.8039



18.7198, 14.1725, 1.7489



1.0416, 0.8830, 0.1155



# Inverse Universe

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



18.2232, 18.1191, 59.0365



26.0014, 23.0754, 97.6913



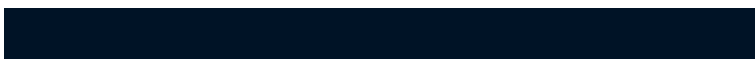
12.2256, 6.1239, 57.0373



11.0602, 11.7608, 14.2575



9.9814, 8.9868, 37.1648



0.5908, 0.6154, 1.9426



# Previews

## White Background



This preview shows how the XYZ color 31.5439, 26.0175, 5.0284 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 31.5439, 26.0175, 5.0284 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 31.5439, 26.0175, 5.0284**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.5439, 26.0175, 5.0284.



This preview shows how white text looks on a background with the XYZ color 31.5439, 26.0175,



# 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

31.5439, 26.0175, 5.0284

### Protanopia

23.6829, 26.0844, 5.8844

### Deuteranopia

26.5264, 26.0989, 4.8678



## Tritanopia

34.7463, 25.9662, 20.6334

# Trichromacy



## Original Color

31.5439, 26.0175, 5.0284

## Protanomaly

26.0730, 25.6477, 5.4958

## Deuteranomaly

28.2296, 25.9817, 4.8936

## Tritanomaly

33.2741, 25.8777, 12.6924

# Monochromacy



## Original Color

31.5439, 26.0175, 5.0284

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

24.5996, 24.0749, 15.1548

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.5439, 26.0175, 5.0284 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(203, 119, 36)` looks like.

```
.text, #text, p{  
    color:rgb(203, 119, 36)  
}
```

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(203, 119, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 119, 36) }
```

## Border

The CSS property to change the border of an element to XYZ 31.5439, 26.0175, 5.0284 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(203, 119, 36) }
```



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

```
.border{ border-color:rgb(203, 119, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 119, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 119, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 119, 36);  
box-shadow:4px 4px 4px 4px rgb(203, 119,  
36) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.5439, 26.0175, 5.0284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 119, 36) }
```

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

```
.background{ background-color: rgb(203,  
119, 36) }
```

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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