

# Converting Colors

XYZ(32.6750, 26.6906, 6.3408)

Have a look what the booklet for  
XYZ(32.6750, 26.6906, 6.3408)  
contains.

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# Color

**XYZ(32.7244, 26.7765,  
6.3493)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE7831
RGB	206, 120, 49
RGB Percent	81%, 47%, 19%
CMY	0.1922, 0.5294, 0.8078
CMYK	0.00, 0.42, 0.76, 0.19
HSL	27°, 62%, 50%
HSV	27°, 76%, 81%
XYZ	32.7244, 26.7765, 6.3493
YIQ	137.6200, 74.0470, -3.8490

# Conversions

## Conversions Part 2

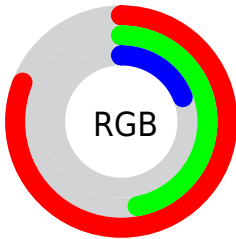
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 179, 49
Decimal	13531185
CIE Lab	58.77, 28.17, 51.35
CIE LCh	59, 58.571, 61.253
Yxy	26.7765, 0.4970, 0.4066
Android (android.graphics.Color)	4291721265 (0xFFCE7831)
YUV	137.6200, -43.6897, 59.9693
Hunter-Lab	51.7460, 22.3286, 28.9473

# Details

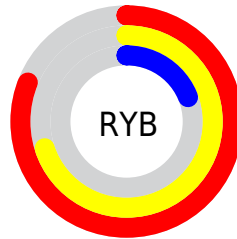
The XYZ color **32.7244, 26.7765, 6.3493** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **21.0704, 22.4357, 61.6120**, and the grayscale version is **24.1547, 25.4127, 27.6744**.

A 20% lighter version of the original color is **58.4838, 52.0672, 19.0241**, and **14.0442, 10.4913, 1.2848** is the 20% darker color. If you saturate the color by 10%, you get **31.1069, 24.0857, 4.1335**, and if you desaturate by 10%, it is **34.7016, 29.8694, 9.6650**.

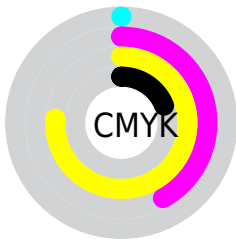
# Distribution



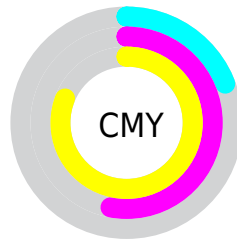
- Red (81%)
- Green (47%)
- Blue (19%)



- Red (81%)
- Yellow (70%)
- Blue (19%)



- Cyan (0%)
- Magenta (42%)
- Yellow (76%)
- Black (19%)




- Cyan (19%)
- Magenta (53%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7244, 26.7765, 6.3493 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 32.7244, 26.7765, 6.3493 by changing the saturation by 10% instead.





 32.7244, 26.7765,  
6.3493


 32.7244, 26.7765,  
6.3493


306.0930,  
286.5733, 171.5622


 22.0736, 17.4054,  
2.9864


 63.3026, 54.5250,  
19.1417

 14.0279, 10.5240,  
1.0877


 83.9607, 73.6713,  
29.4084


 8.2219, 5.7477,  
0.0000


 108.6853, 96.8447,  
42.8134

 4.2903, 2.6923,  
0.0000

 137.8417,  
124.4297, 59.7752

 1.8676, 0.9733,  
0.0000

 171.7954,  
156.8107, 80.7125

 0.5579, 0.0000,  
0.0000

 210.9116,

 0.0000, 0.0000,

194.3720, 106.0437

0.0000

255.5557,  
237.4981, 136.1874

■ 32.7244, 26.7765,  
6.3493

■ 32.7244, 26.7765,  
6.3493

■ 31.1069, 24.0857,  
4.1335

■ 34.7016, 29.8694,  
9.6650

■ 29.8115, 21.7697,  
2.8548

■ 37.0659, 33.3802,  
14.2074

■ 29.3823, 20.9796,  
2.5009

■ 39.8436, 37.3288,  
20.0869

■ 43.0577, 41.7319,  
27.4013

■ 46.7293, 46.6054,  
36.2392

■ 50.8781, 51.9644,  
46.6817

■ 55.5224, 57.8228,  
58.8044

■ 60.6795, 64.1945,  
72.6779

■ 66.3658, 71.0922,  
88.3686

# Harmonies

## Analogous

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



39.2515, 26.7765, 13.0154



32.7244, 26.7765, 6.3493



25.1481, 26.7765, 4.7391

# Triad

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



32.7244, 26.7765, 6.3493



13.9453, 26.7765, 30.0324



33.3496, 26.7765, 78.0338

# Complementary

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



32.7244, 26.7765, 6.3493



21.0704, 22.4357, 61.6120

# 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.



25.7548, 26.7765, 89.6669



32.7244, 26.7765, 6.3493



15.3352, 26.7765, 55.0151

# Square

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



32.7244, 26.7765, 6.3493



15.1199, 26.7765, 13.9143



19.3428, 26.7765, 79.7205



39.6578, 26.7765, 52.7492



# Rectangle

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



32.7244, 26.7765, 6.3493



20.7445, 26.7765, 5.5873



19.3428, 26.7765, 79.7205



30.8188, 26.7765, 84.0909

# Sweetspot

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



32.7250, 26.7779, 6.3498



77.5981, 77.9703, 63.3936



30.9496, 17.0776, 24.7163



16.1069, 16.0334, 12.3253



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.



32.7250, 26.7779, 6.3498



49.1001, 36.7335, 5.3104



46.2360, 53.7999, 10.8535



11.6232, 12.0353, 11.7899



18.1871, 13.1071, 1.5714



1.0137, 0.8271, 0.1062



# Inverse Universe

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



21.0704, 22.4357, 61.6120



29.3168, 29.2308, 98.7047



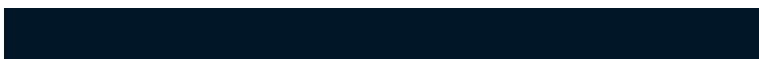
13.8630, 8.0208, 59.2095



11.1025, 11.8454, 14.2716



10.5829, 10.1898, 37.3653



0.6212, 0.6761, 1.9527



# Previews

## White Background



This preview shows how the XYZ color 32.7244, 26.7765, 6.3493 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 32.7244, 26.7765, 6.3493 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 32.7244, 26.7765, 6.3493**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.7244, 26.7765, 6.3493.



This preview shows how white text looks on a background with the XYZ color 32.7244, 26.7765,



# 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

32.7244, 26.7765, 6.3493

### Protanopia

24.4631, 26.8909, 7.5156

### Deuteranopia

27.4787, 26.9748, 6.1412



## Tritanopia

35.9347, 26.8924, 21.3859

# Trichromacy



## Original Color

32.7244, 26.7765, 6.3493

## Protanomaly

26.8469, 26.4212, 7.0530

## Deuteranomaly

29.2148, 26.8539, 6.2283

## Tritanomaly

34.6054, 26.8723, 14.1894

# Monochromacy



## Original Color

32.7244, 26.7765, 6.3493

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

25.8221, 25.0597, 17.1117

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.7244, 26.7765, 6.3493 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, 120, 49)` looks like.

```
.text, #text, p{  
    color:rgb(206, 120, 49)  
}
```

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, 120, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 120, 49) }
```

## Border

The CSS property to change the border of an element to XYZ 32.7244, 26.7765, 6.3493 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, 120, 49) }
```



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

```
.border{ border-color:rgb(206, 120, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 120, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 120, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 120, 49);  
box-shadow:4px 4px 4px 4px rgb(206, 120,  
49) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.7244, 26.7765, 6.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 120, 49) }
```

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

```
.background{ background-color: rgb(206,  
120, 49) }
```

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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