

Converting Colors

XYZ(31.7657, 26.5650, 3.4533)

Have a look what the booklet for
XYZ(31.7657, 26.5650, 3.4533)
contains.

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Color

**XYZ(31.7392, 26.5121,
3.4445)**

Conversions

Conversions Part 1

Format	Color
Hex	CC7900
RGB	204, 121, 0
RGB Percent	80%, 47%, 0%
CMY	0.2000, 0.5255, 1.0000
CMYK	0.00, 0.41, 1.00, 0.20
HSL	36°, 100%, 40%
HSV	36°, 100%, 80%
XYZ	31.7392, 26.5121, 3.4445
YIQ	132.0230, 88.3090, -20.0350

Conversions

Conversions Part 2

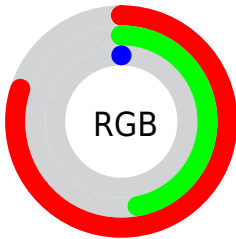
Format	Color
R_{YB}	140, 204, 0
Decimal	13400320
CIE _{Lab}	58.52, 25.68, 65.23
CIE _{LCh}	59, 70.102, 68.510
Yxy	26.5121, 0.5144, 0.4297
Android (android.graphics.Color)	4291590400 (0xFFCC7900)
YUV	132.0230, -65.0873, 63.1238
Hunter-Lab	51.4899, 19.9229, 32.0766

Details

The XYZ color **31.7392, 26.5121, 3.4445** 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 **13.9924, 10.5463, 58.4244**, and the grayscale version is **22.1466, 23.3000, 25.3737**.

A 20% lighter version of the original color is **57.4194, 51.9495, 12.4698**, and **13.6451, 10.4744, 1.3026** is the 20% darker color. If you saturate the color by 10%, you get **31.7393, 26.5127, 3.4446**, and if you desaturate by 10%, it is **32.9221, 28.6704, 4.4798**.

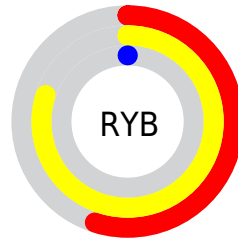
Distribution



Red (80%)

Green (47%)

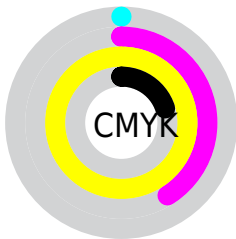
Blue (0%)



Red (55%)

Yellow (80%)

Blue (0%)

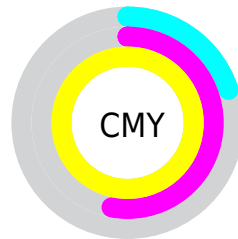


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7392, 26.5121, 3.4445 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 31.7392, 26.5121, 3.4445 by changing the saturation by 10% instead.


 31.7392, 26.5121,
3.4445


 31.7392, 26.5121,
3.4445


301.6959,
285.2870, 141.8350


 21.3170, 17.2071,
1.3258


 61.7700, 54.0999,
12.7069

 13.4697, 10.3823,
0.0828


 82.1092, 73.1516,
20.6877

 7.8320, 5.6532,
0.0000


 106.4848, 96.2210,
31.4596

 4.0385, 2.6353,
0.0000

 135.2622,
123.6924, 45.4412

 1.7239, 0.9445,
0.0000

 168.8066,
155.9504, 63.0510


 0.4712, 0.0000,
0.0000


 207.4835,


 0.0000, 0.0000,


193.3792, 84.7075


0.0000


 251.6581,
236.3632, 110.8293


 31.7392, 26.5121,
3.4445


 31.7392, 26.5121,
3.4445


 31.7393, 26.5127,
3.4446

 32.9221, 28.6704,
4.4798

 34.3305, 31.0599,
6.2660

 36.0138, 33.7049,
9.0518

 37.9991, 36.6193,
12.9701

 40.3096, 39.8154,
18.1329

■ 42.9657, 43.3043,
24.6390

■ 45.9858, 47.0963,
32.5770

■ 49.3871, 51.2010,
42.0276

■ 53.1852, 55.6274,
53.0659

Harmonies

Analogous

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



40.4395, 26.5121, 8.3094



31.7392, 26.5121, 3.4445



22.8354, 26.5121, 2.8170

Triad

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



31.7392, 26.5121, 3.4445



12.1504, 26.5121, 36.4394



36.9312, 26.5121, 83.8737

Complementary

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



31.7392, 26.5121, 3.4445



13.9924, 10.5463, 58.4244

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.



27.7202, 26.5121, 105.3506



31.7392, 26.5121, 3.4445



14.3680, 26.5121, 69.4155

Square

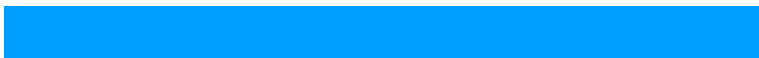
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.7392, 26.5121, 3.4445



12.7537, 26.5121, 14.7866



19.6252, 26.5121, 98.9324



43.8794, 26.5121, 49.8675

Rectangle

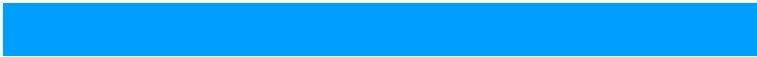
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.7392, 26.5121, 3.4445



18.1157, 26.5121, 4.0718



19.6252, 26.5121, 98.9324



33.9229, 26.5121, 93.4775

Sweetspot

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



31.7398, 26.5135, 3.4450



75.9486, 77.7393, 53.3854



26.5416, 13.4934, 9.8008



15.7849, 16.0538, 10.1698



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.



31.7398, 26.5135, 3.4450



52.3476, 43.4751, 5.6325



42.0862, 53.7502, 8.1569



11.7562, 12.3013, 11.8342



20.0708, 16.8745, 2.1993



1.1088, 1.0173, 0.1379

Inverse Universe

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



13.9924, 10.5463, 58.4244



22.9748, 17.0695, 96.6916



11.1304, 4.4790, 57.4042



10.9702, 11.5809, 14.2275



8.8931, 6.8102, 36.8021



0.5328, 0.4993, 1.9232

Previews

White Background



This preview shows how the XYZ color 31.7392, 26.5121, 3.4445 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 31.7392, 26.5121, 3.4445 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 31.7392, 26.5121, 3.4445

Background



This preview shows how black text looks on a background with the XYZ color 31.7392, 26.5121, 3.4445.



This preview shows how white text looks on a background with the XYZ color 31.7392, 26.5121,

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

31.7392, 26.5121, 3.4445

Protanopia

24.0646, 26.7543, 4.3860

Deuteranopia

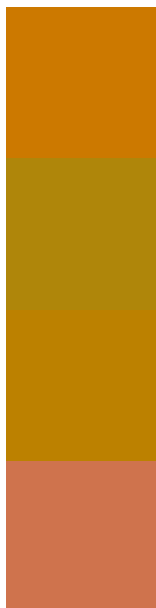
27.1155, 26.6339, 3.7117



Tritanopia

35.2578, 26.3787, 21.3225

Trichromacy



Original Color

31.7392, 26.5121, 3.4445

Protanomaly

26.2591, 26.1861, 3.9576

Deuteranomaly

28.5893, 26.3919, 3.5873

Tritanomaly

33.2024, 26.0627, 10.3018

Monochromacy



Original Color

31.7392, 26.5121, 3.4445

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.4200, 23.3475, 11.6597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7392, 26.5121, 3.4445 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(204, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 121, 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(204, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 121, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.7392, 26.5121, 3.4445 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(204, 121, 0) }
```


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

```
.border{ border-color:rgb(204, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 121,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7392, 26.5121, 3.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 121, 0) }
```

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

```
.background{ background-color: rgb(204,  
121, 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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