

Converting Colors

XYZ(32.6817, 28.3972, 3.7587)

Have a look what the booklet for
XYZ(32.6817, 28.3972, 3.7587)
contains.

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Color

**XYZ(32.6210, 28.2757,
3.7384)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8000
RGB	204, 128, 0
RGB Percent	80%, 50%, 0%
CMY	0.2000, 0.4980, 1.0000
CMYK	0.00, 0.37, 1.00, 0.20
HSL	38°, 100%, 40%
HSV	38°, 100%, 80%
XYZ	32.6210, 28.2757, 3.7384
YIQ	136.1320, 86.3840, -23.6960

Conversions

Conversions Part 2

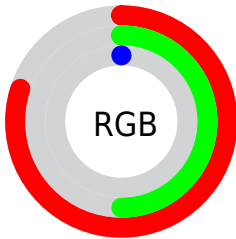
Format	Color
R_{YB}	121, 204, 0
Decimal	13402112
CIE Lab	60.14, 21.89, 66.27
CIE LCh	60, 69.790, 71.717
Yxy	28.2757, 0.5047, 0.4375
Android (android.graphics.Color)	4291592192 (0xFFCC8000)
YUV	136.1320, -67.1131, 59.5202
Hunter-Lab	53.1749, 16.4476, 33.0541

Details

The XYZ color **32.6210, 28.2757, 3.7384** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **13.4836, 9.5287, 58.2548**, and the grayscale version is **23.6734, 24.9063, 27.1230**.

A 20% lighter version of the original color is **58.8694, 54.7499, 13.2594**, and **14.2976, 11.5213, 1.4703** is the 20% darker color. If you saturate the color by 10%, you get **32.6212, 28.2764, 3.7386**, and if you desaturate by 10%, it is **33.7803, 30.3866, 4.7658**.

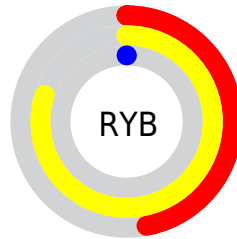
Distribution



Red (80%)

Green (50%)

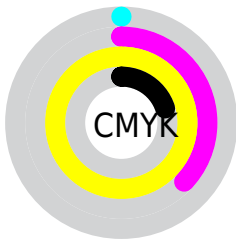
Blue (0%)



Red (47%)

Yellow (80%)

Blue (0%)

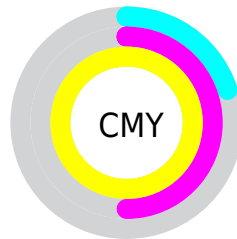


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6210, 28.2757, 3.7384 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 32.6210, 28.2757, 3.7384 by changing the saturation by 10% instead.

■ 32.6210, 28.2757,
3.7384

■ 32.6210, 28.2757,
3.7384

305.6337,
293.7820, 145.2717

■ 21.9941, 18.5336,
1.4830

■ 63.1420, 56.9243,
13.4018

■ 13.9691, 11.3338,
0.2052

■ 83.7668, 76.5996,
21.6468

■ 8.1808, 6.2918,
0.0000

■ 108.4550,
100.3547, 32.7255

■ 4.2636, 3.0233,
0.0000

■ 137.5719,
128.5741, 47.0563

■ 1.8523, 1.1439,
0.0000

■ 171.4829,
161.6421, 65.0577


■ 0.5489, 0.0152,
0.0000


■ 210.5533,


■ 0.0000, 0.0000,


199.9432, 87.1485


0.0000


 255.1484,
243.8617, 113.7469


 32.6210, 28.2757,
3.7384


 32.6210, 28.2757,
3.7384


 32.6212, 28.2764,
3.7386

 33.7803, 30.3866,
4.7658

 35.1518, 32.7026,
6.5398

 36.7848, 35.2469,
9.3088

 38.7057, 38.0324,
13.2055

 40.9372, 41.0706,
18.3421

■ 43.4994, 44.3717,
24.8169

■ 46.4102, 47.9451,
32.7184

■ 49.6863, 51.7995,
42.1273

■ 53.3431, 55.9432,
53.1184

Harmonies

Analogous

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



41.8128, 28.2757, 8.3081



32.6210, 28.2757, 3.7384



23.5416, 28.2757, 3.3927

Triad

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



32.6210, 28.2757, 3.7384



13.3398, 28.2757, 41.8744



39.9757, 28.2757, 83.9114

Complementary

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



32.6210, 28.2757, 3.7384



13.4836, 9.5287, 58.2548

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.



30.5096, 28.2757, 108.2420



32.6210, 28.2757, 3.7384



16.0009, 28.2757, 76.3876

Square

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



32.6210, 28.2757, 3.7384



13.6610, 28.2757, 17.8090



21.8471, 28.2757, 104.9106



46.6641, 28.2757, 48.9046

Rectangle

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



32.6210, 28.2757, 3.7384



18.8315, 28.2757, 5.0596



21.8471, 28.2757, 104.9106



36.9344, 28.2757, 94.2976

Sweetspot

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



32.6216, 28.2772, 3.7389



76.6591, 79.1602, 53.6223



26.2842, 13.3904, 8.4455



15.9541, 16.3922, 10.2262



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.



32.6216, 28.2772, 3.7389



53.8116, 46.4031, 6.1205



40.4618, 52.9127, 8.0808



11.7890, 12.3669, 11.8451



20.6241, 17.9812, 2.3837



1.1352, 1.0701, 0.1467

Inverse Universe

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



13.4836, 9.5287, 58.2548



22.1418, 15.4036, 96.4139



11.2712, 4.5516, 57.4108



10.9384, 11.5172, 14.2169



8.5689, 6.1618, 36.6940



0.5143, 0.4624, 1.9171

Previews

White Background



This preview shows how the XYZ color 32.6210, 28.2757, 3.7384 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 32.6210, 28.2757, 3.7384 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 32.6210, 28.2757, 3.7384

Background



This preview shows how black text looks on a background with the XYZ color 32.6210, 28.2757, 3.7384.



This preview shows how white text looks on a background with the XYZ color 32.6210, 28.2757,

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

32.6210, 28.2757, 3.7384

Protanopia

25.6750, 28.4848, 4.5968

Deuteranopia

28.8556, 28.3673, 3.9546



Tritanopia

36.7876, 28.3075, 23.9470

Trichromacy



Original Color

32.6210, 28.2757, 3.7384

Protanomaly

27.8778, 28.0709, 4.2361

Deuteranomaly

30.0110, 28.1266, 3.8472

Tritanomaly

34.1769, 27.7785, 11.3451

Monochromacy



Original Color

32.6210, 28.2757, 3.7384

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.8058, 25.0402, 12.5427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6210, 28.2757, 3.7384 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, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 128, 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, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.6210, 28.2757, 3.7384 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, 128, 0) }
```


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

```
.border{ border-color:rgb(204, 128, 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, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 128,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6210, 28.2757, 3.7384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 128, 0) }
```

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

```
.background{ background-color: rgb(204,  
128, 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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