

Converting Colors

XYZ(32.7180, 31.3792, 1.4187)

Have a look what the booklet for
XYZ(32.7180, 31.3792, 1.4187)
contains.

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Color

**XYZ(33.2262, 31.4881,
4.3266)**

Conversions

Conversions Part 1

Format	Color
Hex	C78E00
RGB	199, 142, 0
RGB Percent	78%, 56%, 0%
CMY	0.2196, 0.4431, 1.0000
CMYK	0.00, 0.29, 1.00, 0.22
HSL	43°, 100%, 39%
HSV	43°, 100%, 78%
XYZ	33.2262, 31.4881, 4.3266
YIQ	142.8550, 79.5540, -32.0780

Conversions

Conversions Part 2

Format	Color
RYB	80, 199, 0
Decimal	13078016
CIELab	62.92, 12.06, 67.82
CIELCh	63, 68.881, 79.915
Yxy	31.4881, 0.4813, 0.4561
Android (android.graphics.Color)	4291268096 (0xFFC78E00)
YUV	142.8550, -70.4275, 49.2392
Hunter-Lab	56.1143, 7.4929, 34.7085

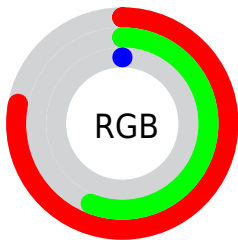
Details

The XYZ color **33.2262, 31.4881, 4.3266** is a dark color, and the websafe version is hex **CC9900**.

The color can be described as dark washed orange. A complement of this color would be **11.7723, 7.0503, 54.7728**, and the grayscale version is **26.3017, 27.6715, 30.1343**.

A 20% lighter version of the original color is **61.9248, 60.7581, 14.5946**, and **14.6424, 13.2297, 1.7819** is the 20% darker color. If you saturate the color by 10%, you get **33.2264, 31.4887, 4.3267**, and if you desaturate by 10%, it is **34.2222, 33.2797, 5.2776**.

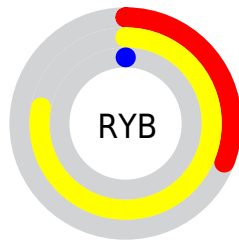
Distribution



Red (78%)

Green (56%)

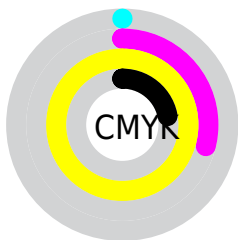
Blue (0%)



Red (31%)

Yellow (78%)

Blue (0%)

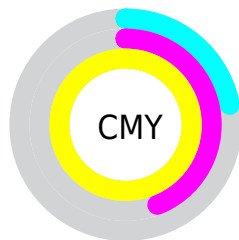


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2262, 31.4881, 4.3266 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 33.2262, 31.4881, 4.3266 by changing the saturation by 10% instead.


 33.2262, 31.4881,
4.3266


 33.2262, 31.4881,
4.3266


308.3148,
308.7807, 151.7892

 22.4598, 20.9708,
1.8062


 64.0808, 62.0077,
14.7563

 14.3137, 13.1027,
0.4320


 84.8998, 82.7788,
23.5026


 8.4223, 7.4993,
0.0000


 109.8004,
107.7367, 35.1612

 4.4204, 3.7763,
0.0000

 139.1480,
137.2657, 50.1508

 1.9426, 1.5492,
0.0000

 173.3078,
171.7502, 68.8899


 0.6014, 0.3230,
0.0000


 212.6453,


 0.0000, 0.0000,


211.5746, 91.7969


0.0000


 257.5259,
257.1233, 119.2905


 33.2262, 31.4881,
4.3266

 33.2262, 31.4881,
4.3266


 33.2264, 31.4887,
4.3267

 34.2222, 33.2797,
5.2776

 35.3904, 35.2092,
6.9215

 36.7771, 37.2975,
9.4958

 38.4065, 39.5552,
13.1250

 40.2991, 41.9915,
17.9140

■ 42.4729, 44.6145,
23.9553

■ 44.9442, 47.4316,
31.3318

■ 47.7279, 50.4497,
40.1191

■ 50.8379, 53.6752,
50.3875

Harmonies

Analogous

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



43.2283, 31.4881, 7.8852



33.2262, 31.4881, 4.3266



24.1528, 31.4881, 4.9340

Triad

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



33.2262, 31.4881, 4.3266



15.8826, 31.4881, 55.2559



46.1050, 31.4881, 79.9300

Complementary

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



33.2262, 31.4881, 4.3266



11.7723, 7.0503, 54.7728

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.



36.5585, 31.4881, 110.2374



33.2262, 31.4881, 4.3266



19.6816, 31.4881, 91.5448

Square

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



33.2262, 31.4881, 4.3266



15.3599, 31.4881, 25.9522



26.8565, 31.4881, 115.3455



51.6344, 31.4881, 44.2345

Rectangle

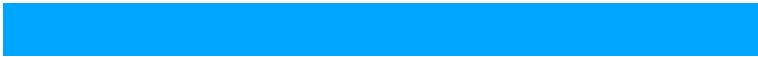
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.2262, 31.4881, 4.3266



19.7127, 31.4881, 7.8482



26.8565, 31.4881, 115.3455



43.1759, 31.4881, 91.7349

Sweetspot

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



33.2269, 31.4897, 4.3272



78.4903, 82.8227, 54.2327



24.3610, 12.4654, 5.3567



16.3921, 17.2681, 10.3722



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.



33.2269, 31.4897, 4.3272



57.9604, 54.7009, 7.5035



34.7615, 48.2382, 7.4791



11.2573, 11.8838, 11.2632



21.4434, 20.4039, 2.8082



1.0750, 1.0854, 0.1529

Inverse Universe

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



11.7723, 7.0503, 54.7728



20.4350, 11.9899, 95.8450



11.1765, 4.5710, 54.3257



10.3000, 10.7741, 13.4542



7.6351, 4.6641, 35.2422



0.4249, 0.3475, 1.6898

Previews

White Background



This preview shows how the XYZ color 33.2262, 31.4881, 4.3266 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.2262, 31.4881, 4.3266 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2262, 31.4881, 4.3266

Background



This preview shows how black text looks on a background with the XYZ color 33.2262, 31.4881, 4.3266.



This preview shows how white text looks on a background with the XYZ color 33.2262, 31.4881,

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

33.2262, 31.4881, 4.3266

Protanopia

28.4709, 31.5797, 4.9427

Deuteranopia

32.1177, 31.5883, 4.4044



Tritanopia

38.3106, 31.4347, 29.6395

Trichromacy



Original Color

33.2262, 31.4881, 4.3266

Protanomaly

30.0827, 31.4575, 4.7161

Deuteranomaly

32.4789, 31.5486, 4.3777

Tritanomaly

35.2782, 31.0430, 13.8054

Monochromacy



Original Color

33.2262, 31.4881, 4.3266

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.8150, 28.1868, 13.9248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2262, 31.4881, 4.3266 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(199, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 142, 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(199, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 142, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.2262, 31.4881, 4.3266 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(199, 142, 0) }
```


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

```
.border{ border-color:rgb(199, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 142,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2262, 31.4881, 4.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 142, 0) }
```

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

```
.background{ background-color: rgb(199,  
142, 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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