

Converting Colors

XYZ(31.9560, 28.4155, 4.4552)

Have a look what the booklet for
XYZ(31.9560, 28.4155, 4.4552)
contains.

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Color

**XYZ(32.0620, 28.5625,
4.4851)**

Conversions

Conversions Part 1

Format	Color
Hex	C88314
RGB	200, 131, 20
RGB Percent	78%, 51%, 8%
CMY	0.2157, 0.4863, 0.9215
CMYK	0.00, 0.34, 0.90, 0.22
HSL	37°, 82%, 43%
HSV	37°, 90%, 78%
XYZ	32.0620, 28.5625, 4.4851
YIQ	138.9770, 76.7550, -19.8930

Conversions

Conversions Part 2

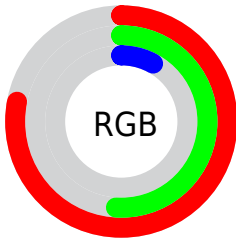
Format	Color
R_YB	132, 200, 20
Decimal	13140756
CIE _{Lab}	60.39, 18.78, 62.64
CIE _{LCh}	60, 65.395, 73.313
Yxy	28.5625, 0.4924, 0.4387
Android (android.graphics.Color)	4291330836 (0xFFC88314)
YUV	138.9770, -58.6557, 53.5172
Hunter-Lab	53.4439, 13.5587, 32.4350

Details

The XYZ color **32.0620, 28.5625, 4.4851** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **14.2862, 11.4636, 56.1029**, and the grayscale version is **24.7308, 26.0188, 28.3344**.

A 20% lighter version of the original color is **59.7918, 56.1055, 15.0752**, and **13.8325, 11.6100, 1.5119** is the 20% darker color. If you saturate the color by 10%, you get **30.9444, 26.5296, 3.4900**, and if you desaturate by 10%, it is **33.3875, 30.8029, 6.1939**.

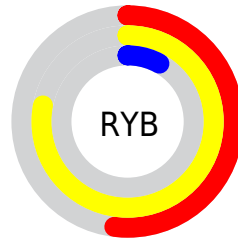
Distribution



Red (78%)

Green (51%)

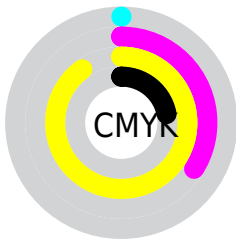
Blue (8%)



Red (52%)

Yellow (78%)

Blue (8%)

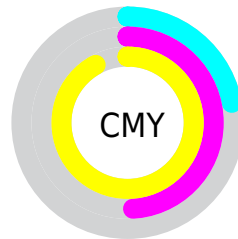


Cyan (0%)

Magenta (34%)

Yellow (90%)

Black (22%)



Cyan (22%)


Magenta (49%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0620, 28.5625, 4.4851 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 32.0620, 28.5625, 4.4851 by changing the saturation by 10% instead.


 32.0620, 28.5625,
4.4851


 32.0620, 28.5625,
4.4851


303.1419,
295.1451, 153.4736


 21.5646, 18.7501,
1.8951


 62.2728, 57.3813,
15.1139


 13.6522, 11.4899,
0.4896

 82.7170, 77.1564,
23.9898

 7.9592, 6.3973,
0.0000


 107.2074,
101.0213, 35.7981

 4.1204, 3.0882,
0.0000

 136.1096,
129.3602, 50.9572

 1.7705, 1.1779,
0.0000

 169.7887,
162.5577, 69.8858

 0.4998, 0.0436,
0.0000

 208.6102,

 0.0000, 0.0000,

200.9981, 93.0024

0.0000

252.9395,
245.0657, 120.7255

32.0620, 28.5625,
4.4851

32.0620, 28.5625,
4.4851

30.9444, 26.5296,
3.4900

33.3875, 30.8029,
6.1939

30.9441, 26.5290,
3.4897

34.9661, 33.2678,
8.8542

36.8238, 35.9712,
12.5929

38.9822, 38.9243,
17.5167

41.4605, 42.1369,
23.7192

■ 44.2760, 45.6184,
31.2849

■ 47.4448, 49.3773,
40.2905

■ 50.9814, 53.4216,
50.8075

■ 54.8999, 57.7590,
62.9021

Harmonies

Analogous

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



40.6992, 28.5625, 8.9171



32.0620, 28.5625, 4.4851



23.5909, 28.5625, 4.2938

Triad

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



32.0620, 28.5625, 4.4851



14.2539, 28.5625, 43.0328



39.8236, 28.5625, 78.4471

Complementary

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



32.0620, 28.5625, 4.4851



14.2862, 11.4636, 56.1029

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.



31.0453, 28.5625, 101.4646



32.0620, 28.5625, 4.4851



16.9977, 28.5625, 74.9281

Square

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



32.0620, 28.5625, 4.4851



14.4149, 28.5625, 19.6048



22.7633, 28.5625, 99.9200



45.7755, 28.5625, 46.3870

Rectangle

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



32.0620, 28.5625, 4.4851



19.1982, 28.5625, 6.2290



22.7633, 28.5625, 99.9200



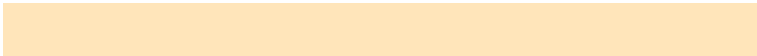
37.0353, 28.5625, 88.0937

Sweetspot

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



32.0626, 28.5640, 4.4856



78.0301, 80.6340, 57.9893



25.8728, 13.5011, 10.6943



16.3140, 16.7914, 11.3339



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.



32.0626, 28.5640, 4.4856



53.3403, 45.4605, 5.9634



39.3709, 50.9425, 8.4199



11.1693, 11.7077, 11.2339



19.7644, 17.0459, 2.2485



1.0043, 0.9441, 0.1293

Inverse Universe

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



14.2862, 11.4636, 56.1029



22.3938, 15.9076, 96.4979



11.5902, 5.1422, 55.0248



10.3844, 10.9429, 13.4824



8.3818, 6.1576, 35.4911



0.4667, 0.4312, 1.7038

Previews

White Background



This preview shows how the XYZ color 32.0620, 28.5625, 4.4851 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 32.0620, 28.5625, 4.4851 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 32.0620, 28.5625, 4.4851

Background



This preview shows how black text looks on a background with the XYZ color 32.0620, 28.5625, 4.4851.



This preview shows how white text looks on a background with the XYZ color 32.0620, 28.5625,

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

32.0620, 28.5625, 4.4851

Protanopia

25.9714, 28.6273, 5.0765

Deuteranopia

29.1565, 28.5154, 4.2839



Tritanopia

36.2331, 28.5369, 25.0712

Trichromacy



Original Color

32.0620, 28.5625, 4.4851

Protanomaly

28.0396, 28.5766, 4.8486

Deuteranomaly

29.9784, 28.3068, 4.2992

Tritanomaly

33.8505, 28.1191, 13.5409

Monochromacy



Original Color

32.0620, 28.5625, 4.4851

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.6134, 26.0299, 14.7406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0620, 28.5625, 4.4851 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(200, 131, 20)` looks like.

```
.text, #text, p{  
    color:rgb(200, 131, 20)  
}
```

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(200, 131, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 131, 20) }
```

Border

The CSS property to change the border of an element to XYZ 32.0620, 28.5625, 4.4851 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(200, 131, 20) }
```


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

```
.border{ border-color:rgb(200, 131, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 131, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 131, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 131, 20);  
box-shadow:4px 4px 4px 4px rgb(200, 131,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0620, 28.5625, 4.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 131, 20) }
```

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

```
.background{ background-color: rgb(200,  
131, 20) }
```

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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