

Converting Colors

XYZ(33.8711, 31.9273, 9.4519)

Have a look what the booklet for
XYZ(33.8711, 31.9273, 9.4519)
contains.

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Color

**XYZ(33.8026, 31.8969,
9.3762)**

Conversions

Conversions Part 1

Format	Color
Hex	C58F41
RGB	197, 143, 65
RGB Percent	77%, 56%, 25%
CMY	0.2275, 0.4392, 0.7451
CMYK	0.00, 0.27, 0.67, 0.23
HSL	35°, 53%, 51%
HSV	35°, 67%, 77%
XYZ	33.8026, 31.8969, 9.3762
YIQ	150.2540, 57.2220, -12.8100

Conversions

Conversions Part 2

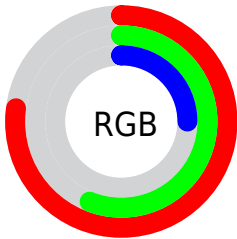
Format	Color
RYB	156, 197, 65
Decimal	12947265
CIELab	63.26, 12.62, 48.33
CIELCh	63, 49.953, 75.366
Yxy	31.8969, 0.4502, 0.4249
Android (android.graphics.Color)	4291137345 (0xFFC58F41)
YUV	150.2540, -42.0302, 40.9962
Hunter-Lab	56.4773, 7.9998, 29.6910

Details

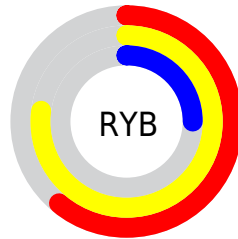
The XYZ color **33.8026, 31.8969, 9.3762** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.8546, 18.3480, 55.3709**, and the grayscale version is **29.2541, 30.7776, 33.5168**.

A 20% lighter version of the original color is **64.3586, 62.4535, 25.1857**, and **14.6222, 13.3418, 2.1212** is the 20% darker color. If you saturate the color by 10%, you get **32.1619, 29.3752, 6.4881**, and if you desaturate by 10%, it is **35.7306, 34.6752, 13.3423**.

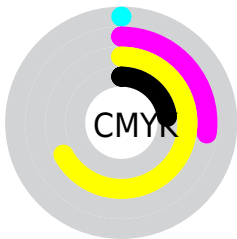
Distribution



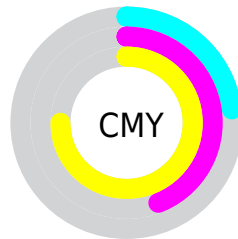
- Red (77%)
- Green (56%)
- Blue (25%)



- Red (61%)
- Yellow (77%)
- Blue (25%)



- Cyan (0%)
- Magenta (27%)
- Yellow (67%)
- Black (23%)





- Cyan (23%)
- Magenta (44%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8026, 31.8969, 9.3762 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 33.8026, 31.8969, 9.3762 by changing the saturation by 10% instead.


 33.8026, 31.8969,
9.3762


 33.8026, 31.8969,
9.3762


310.8524,
310.6493, 196.4803


 22.9042, 21.2828,
4.8872


 64.9729, 62.6494,
25.2046

 14.6431, 13.3308,
2.1237


 85.9755, 83.5566,
37.3811

 8.6539, 7.6568,
0.6298


 111.0768,
108.6636, 52.9572

 4.5715, 3.8761,
0.0000

 140.6423,
138.3548, 72.3514

 2.0302, 1.6045,
0.0000

 175.0372,
173.0145, 95.9823

 0.6509, 0.3606,
0.0000

214.6270,

 0.0000, 0.0000,

213.0273, 124.2683

0.0000

259.7769,
258.7774, 157.6282

■ 33.8026, 31.8969,
9.3762

■ 33.8026, 31.8969,
9.3762

■ 32.1619, 29.3752,
6.4881

■ 35.7306, 34.6752,
13.3423

■ 30.7829, 27.0931,
4.5612

■ 37.9642, 37.7163,
18.4832

■ 29.6348, 25.0365,
3.4401

■ 40.5223, 41.0317,
24.8869

■ 29.3193, 24.4571,
3.1754

■ 43.4213, 44.6309,
32.6325

■ 46.6767, 48.5224,
41.7925

■ 50.3027, 52.7146,
52.4340

■ 54.3126, 57.2151,
64.6200

■ 58.7191, 62.0315,
78.4097

■ 63.5342, 67.1710,
93.8593

Harmonies

Analogous

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



40.6533, 31.8969, 14.0662



33.8026, 31.8969, 9.3762



26.9278, 31.8969, 9.4289

Triad

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



33.8026, 31.8969, 9.3762



19.2166, 31.8969, 45.8319



40.7995, 31.8969, 68.9502

Complementary

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



33.8026, 31.8969, 9.3762



18.8546, 18.3480, 55.3709

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.



33.9793, 31.8969, 85.9221



33.8026, 31.8969, 9.3762



21.9005, 31.8969, 69.4950

Square

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



33.8026, 31.8969, 9.3762



19.1842, 31.8969, 25.9691



27.0797, 31.8969, 86.1526



45.0908, 31.8969, 45.2689

Rectangle

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



33.8026, 31.8969, 9.3762



23.2528, 31.8969, 12.0099



27.0797, 31.8969, 86.1526



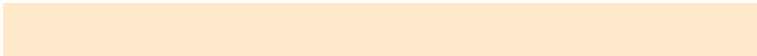
38.6842, 31.8969, 75.9678

Sweetspot

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



33.8033, 31.8985, 9.3768



81.6012, 84.5439, 69.1445



28.3066, 17.0073, 19.5605



17.1088, 17.6693, 13.7936



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.



33.8033, 31.8985, 9.3768



56.5050, 50.8340, 9.9658



41.1701, 50.7531, 12.6279



11.1461, 11.6612, 11.2261



19.3686, 16.2543, 2.1166



0.9871, 0.9096, 0.1235

Inverse Universe

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



18.8546, 18.3480, 55.3709



28.0023, 25.0980, 97.9763



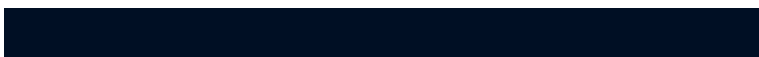
14.9491, 9.3487, 53.8397



10.4070, 10.9881, 13.4899



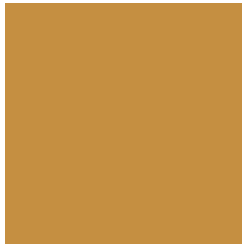
8.6216, 6.6371, 35.5710



0.4791, 0.4561, 1.7079

Previews

White Background



This preview shows how the XYZ color 33.8026, 31.8969, 9.3762 looks on a white background.

Color Contrast Check

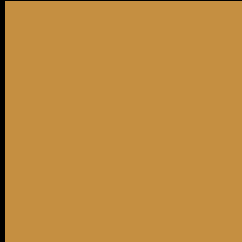
Large Text (above 18pt) WCAG AA × Fail

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 33.8026, 31.8969, 9.3762 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 33.8026, 31.8969, 9.3762

Background



This preview shows how black text looks on a background with the XYZ color 33.8026, 31.8969, 9.3762.



This preview shows how white text looks on a background with the XYZ color 33.8026, 31.8969,

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

33.8026, 31.8969, 9.3762

Protanopia

29.1766, 32.0746, 10.1221

Deuteranopia

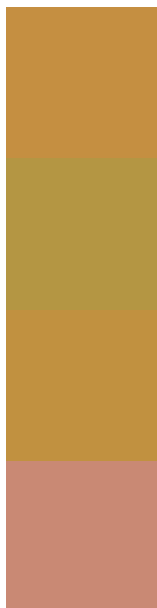
32.6902, 32.0043, 9.3050



Tritanopia

38.2645, 31.7910, 30.9076

Trichromacy



Original Color

33.8026, 31.8969, 9.3762

Protanomaly

30.7419, 31.9212, 9.8513

Deuteranomaly

33.0431, 31.9584, 9.2775

Tritanomaly

36.1854, 31.5698, 20.7094

Monochromacy



Original Color

33.8026, 31.8969, 9.3762

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.6998, 30.4148, 21.7581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8026, 31.8969, 9.3762 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(197, 143, 65)` looks like.

```
.text, #text, p{  
    color:rgb(197, 143, 65)  
}
```

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(197, 143, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 143, 65) }
```

Border

The CSS property to change the border of an element to XYZ 33.8026, 31.8969, 9.3762 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(197, 143, 65) }
```


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

```
.border{ border-color:rgb(197, 143, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 143, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 143, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 143, 65);  
box-shadow:4px 4px 4px 4px rgb(197, 143,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8026, 31.8969, 9.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 143, 65) }
```

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

```
.background{ background-color: rgb(197,  
143, 65) }
```

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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