

Converting Colors

XYZ(33.2752, 31.5108, 10.2744)

Have a look what the booklet for
XYZ(33.2752, 31.5108, 10.2744)
contains.

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Color

**XYZ(33.4655, 31.7020,
10.3165)**

Conversions

Conversions Part 1

Format	Color
Hex	C38F47
RGB	195, 143, 71
RGB Percent	76%, 56%, 28%
CMY	0.2353, 0.4392, 0.7216
CMYK	0.00, 0.27, 0.64, 0.24
HSL	35°, 51%, 52%
HSV	35°, 64%, 76%
XYZ	33.4655, 31.7020, 10.3165
YIQ	150.3400, 54.1040, -11.3680

Conversions

Conversions Part 2

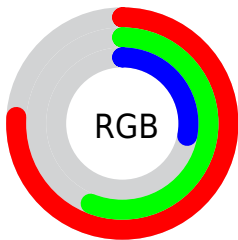
Format	Color
RYB	161, 195, 71
Decimal	12816199
CIELab	63.10, 12.14, 45.19
CIELCh	63, 46.796, 74.969
Yxy	31.7020, 0.4433, 0.4200
Android (android.graphics.Color)	4291006279 (0xFFC38F47)
YUV	150.3400, -39.1146, 39.1668
Hunter-Lab	56.3045, 7.5614, 28.5497

Details

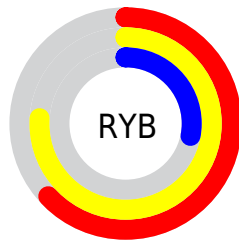
The XYZ color **33.4655, 31.7020, 10.3165** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **19.5314, 19.4447, 54.3533**, and the grayscale version is **29.2797, 30.8046, 33.5462**.

A 20% lighter version of the original color is **64.7191, 62.5976, 27.0838**, and **14.5309, 13.2861, 2.5081** is the 20% darker color. If you saturate the color by 10%, you get **31.7543, 29.1257, 7.1385**, and if you desaturate by 10%, it is **35.4684, 34.5407, 14.5829**.

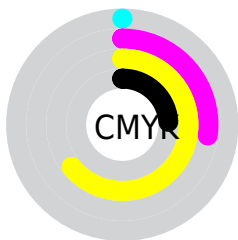
Distribution



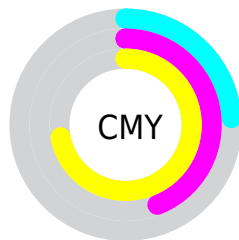
- Red (76%)
- Green (56%)
- Blue (28%)



- Red (63%)
- Yellow (76%)
- Blue (28%)



- Cyan (0%)
- Magenta (27%)
- Yellow (64%)
- Black (24%)





- Cyan (24%)
- Magenta (44%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4655, 31.7020, 10.3165 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 33.4655, 31.7020, 10.3165 by changing the saturation by 10% instead.


 33.4655, 31.7020,
10.3165


 33.4655, 31.7020,
10.3165


309.3701,
309.7595, 203.4825


 22.6442, 21.1340,
5.5010


 64.4514, 62.3436,
27.0062

 14.4503, 13.2220,
2.4803


 85.3468, 83.1860,
39.7174


 8.5183, 7.5816,
0.8297


 110.3309,
108.2220, 55.8977

 4.4829, 3.8284,
0.0000

 139.7692,
137.8360, 75.9654

 1.9788, 1.5780,
0.0000

 174.0268,
172.4123, 100.3392

 0.6220, 0.3427,
0.0000

213.4693,

 0.0000, 0.0000,

212.3354, 129.4377

0.0000

258.4620,
257.9897, 163.6792

■ 33.4655, 31.7020,
10.3165

■ 33.4655, 31.7020,
10.3165

■ 31.7543, 29.1257,
7.1385

■ 35.4684, 34.5407,
14.5829

■ 30.3108, 26.7954,
4.9411

■ 37.7801, 37.6477,
20.0279

■ 29.1096, 24.6990,
3.5973

■ 40.4185, 41.0344,
26.7344

■ 28.4367, 23.4644,
3.0303

■ 43.3995, 44.7099,
34.7770

■ 46.7377, 48.6827,
44.2247

■ 50.4468, 52.9609,
55.1416

■ 54.5399, 57.5523,
67.5877

■ 59.0290, 62.4643,
81.6199

■ 63.9259, 67.7040,
97.2919

Harmonies

Analogous

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



39.7901, 31.7020, 15.0029



33.4655, 31.7020, 10.3165



27.0392, 31.7020, 10.3121

Triad

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



33.4655, 31.7020, 10.3165



19.6644, 31.7020, 44.5341



39.7786, 31.7020, 66.2555

Complementary

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



33.4655, 31.7020, 10.3165



19.5314, 19.4447, 54.3533

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.



33.4516, 31.7020, 81.4841



33.4655, 31.7020, 10.3165



22.1784, 31.7020, 66.2136

Square

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



33.4655, 31.7020, 10.3165



19.6671, 31.7020, 26.0983



27.0272, 31.7020, 81.4665



43.7736, 31.7020, 44.5781

Rectangle

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



33.4655, 31.7020, 10.3165



23.5654, 31.7020, 12.8197



27.0272, 31.7020, 81.4665



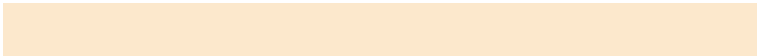
37.8171, 31.7020, 72.5928

Sweetspot

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



33.4662, 31.7036, 10.3171



80.2170, 83.0658, 69.2373



28.4436, 17.5827, 21.2078



17.1939, 17.7436, 14.1173



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.



33.4662, 31.7036, 10.3171



55.8917, 50.6168, 11.1811



41.0807, 50.0161, 13.4505



10.5481, 11.0275, 10.6345



18.5671, 15.4199, 1.9978



0.8691, 0.8001, 0.1086

Inverse Universe

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



19.5314, 19.4447, 54.3533



29.0719, 27.0971, 96.1678



15.3505, 10.1206, 52.7739



9.8676, 10.4265, 12.7773



8.4310, 6.6185, 34.3897



0.4323, 0.4220, 1.5086

Previews

White Background



This preview shows how the XYZ color 33.4655, 31.7020, 10.3165 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 33.4655, 31.7020, 10.3165 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 33.4655, 31.7020, 10.3165

Background



This preview shows how black text looks on a background with the XYZ color 33.4655, 31.7020, 10.3165.



This preview shows how white text looks on a background with the XYZ color 33.4655, 31.7020,

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

33.4655, 31.7020, 10.3165

Protanopia

28.9894, 31.7119, 11.0717

Deuteranopia

32.3706, 31.8188, 10.2299



Tritanopia

37.5942, 31.6516, 30.9160

Trichromacy



Original Color

33.4655, 31.7020, 10.3165

Protanomaly

30.3101, 31.4409, 10.7745

Deuteranomaly

32.7167, 31.7694, 10.2021

Tritanomaly

35.6472, 31.4907, 21.3390

Monochromacy



Original Color

33.4655, 31.7020, 10.3165

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.6108, 30.3549, 22.3876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4655, 31.7020, 10.3165 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(195, 143, 71)` looks like.

```
.text, #text, p{  
    color:rgb(195, 143, 71)  
}
```

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(195, 143, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 143, 71) }
```

Border

The CSS property to change the border of an element to XYZ 33.4655, 31.7020, 10.3165 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(195, 143, 71) }
```


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

```
.border{ border-color:rgb(195, 143, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 143, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 143, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 143, 71);  
box-shadow:4px 4px 4px 4px rgb(195, 143,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4655, 31.7020, 10.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 143, 71) }
```

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

```
.background{ background-color: rgb(195,  
143, 71) }
```

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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