

Converting Colors

XYZ(32.8103, 32.0036, 13.9081)

Have a look what the booklet for
XYZ(32.8103, 32.0036, 13.9081)
contains.

XYZ(32.8211, 31.9704, 13.8922)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.8211, 31.9704,
13.8922)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9259
RGB	188, 146, 89
RGB Percent	74%, 57%, 35%
CMY	0.2627, 0.4274, 0.6510
CMYK	0.00, 0.22, 0.53, 0.26
HSL	35°, 42%, 54%
HSV	35°, 53%, 74%
XYZ	32.8211, 31.9704, 13.8922
YIQ	152.0600, 43.3290, -8.8230

Conversions

Conversions Part 2

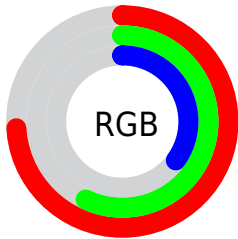
Format	Color
RYB	162, 188, 89
Decimal	12358233
CIELab	63.32, 8.90, 36.07
CIElCh	63, 37.151, 76.146
Yxy	31.9704, 0.4171, 0.4063
Android (android.graphics.Color)	4290548313 (0xFFBC9259)
YUV	152.0600, -31.0886, 31.5194
Hunter-Lab	56.5424, 4.6646, 25.0124

Details

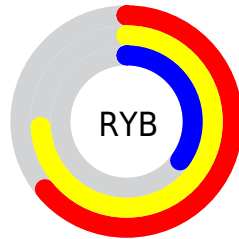
The XYZ color **32.8211, 31.9704, 13.8922** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **21.3128, 21.9864, 50.6973**, and the grayscale version is **29.9885, 31.5503, 34.3582**.

A 20% lighter version of the original color is **63.3939, 62.7948, 33.5903**, and **14.0988, 13.4314, 3.9472** is the 20% darker color. If you saturate the color by 10%, you get **30.9436, 29.3217, 9.8565**, and if you desaturate by 10%, it is **34.9875, 34.8744, 19.0194**.

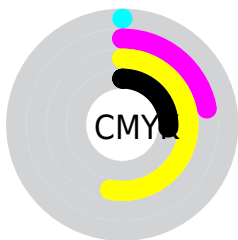
Distribution



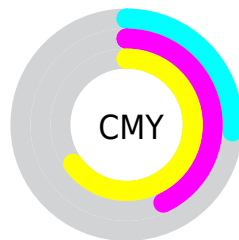
- Red (74%)
- Green (57%)
- Blue (35%)



- Red (64%)
- Yellow (74%)
- Blue (35%)



- Cyan (0%)
- Magenta (22%)
- Yellow (53%)
- Black (26%)



- Cyan (26%)
- Magenta (43%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8211, 31.9704, 13.8922 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 32.8211, 31.9704, 13.8922 by changing the saturation by 10% instead.

■ 32.8211, 31.9704,
13.8922

■ 32.8211, 31.9704,
13.8922

306.5221,
310.9844, 227.9642

■ 22.1480, 21.3389,
7.9078

■ 63.4527, 62.7647,
33.6120

■ 14.0829, 13.3719,
3.9491

■ 84.1419, 83.6962,
48.1845

■ 8.2604, 7.6852,
1.5975

■ 108.9005,
108.8300, 66.4568

■ 4.3153, 3.8942,
0.2890

■ 138.0938,
138.5502, 88.8475

■ 1.8820, 1.6145,
0.0000

■ 172.0873,
173.2414, 115.7750

■ 0.5663, 0.3674,
0.0000

211.2463,

■ 0.0000, 0.0000,

213.2879, 147.6579

0.0000

255.9361,
259.0741, 184.9148

■ 32.8211, 31.9704,
13.8922

■ 32.8211, 31.9704,
13.8922

■ 30.9436, 29.3217,
9.8565

■ 34.9875, 34.8744,
19.0194

■ 29.3354, 26.9139,
6.8273

■ 37.4562, 38.0380,
25.3107

■ 27.9773, 24.7377,
4.7101

■ 40.2424, 41.4712,
32.8344

■ 26.8461, 22.7809,
3.3907

■ 43.3594, 45.1818,
41.6531

■ 26.1280, 21.4694,
2.7669

■ 46.8199, 49.1773,
51.8250

■ 50.6355, 53.4650,
63.4049

■ 54.8176, 58.0516,
76.4444

■ 59.3766, 62.9436,
90.9924

■ 63.8031, 67.9396,
104.3586

Harmonies

Analogous

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



37.7796, 31.9704, 18.0986



32.8211, 31.9704, 13.8922



27.7146, 31.9704, 14.0520

Triad

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



32.8211, 31.9704, 13.8922



21.8304, 31.9704, 43.3106



38.1045, 31.9704, 58.3970

Complementary

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



32.8211, 31.9704, 13.8922



21.3128, 21.9864, 50.6973

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.



33.2257, 31.9704, 69.7905



32.8211, 31.9704, 13.8922



24.0276, 31.9704, 59.5373

Square

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



32.8211, 31.9704, 13.8922



21.7482, 31.9704, 28.4496



28.0761, 31.9704, 70.2586



41.0550, 31.9704, 42.0549

Rectangle

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



32.8211, 31.9704, 13.8922



24.9105, 31.9704, 16.5594



28.0761, 31.9704, 70.2586



36.6124, 31.9704, 63.1124

Sweetspot

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



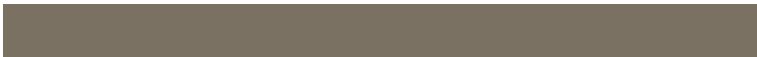
32.8219, 31.9719, 13.8928



76.4767, 79.4036, 69.4541



28.4696, 19.4996, 24.0575



16.1952, 16.7772, 14.2252



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.8219, 31.9719, 13.8928



55.6526, 52.5167, 17.0054



38.9364, 46.5598, 16.3863



9.9739, 10.4239, 10.0630



17.8643, 14.7673, 1.9088



0.7633, 0.7055, 0.0959

Inverse Universe

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



21.3128, 21.9864, 50.6973



32.6116, 32.5591, 90.7919



17.4316, 13.2411, 49.2139



9.3402, 9.8728, 12.0856



8.1912, 6.4942, 33.2147



0.3858, 0.3842, 1.3227

Previews

White Background



This preview shows how the XYZ color 32.8211, 31.9704, 13.8922 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 32.8211, 31.9704, 13.8922 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 32.8211, 31.9704, 13.8922

Background



This preview shows how black text looks on a background with the XYZ color 32.8211, 31.9704, 13.8922.



This preview shows how white text looks on a background with the XYZ color 32.8211, 31.9704,

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

32.8211, 31.9704, 13.8922

Protanopia

29.6358, 32.2087, 14.7801

Deuteranopia

32.5756, 31.8438, 13.8807



Tritanopia

36.6498, 31.9726, 32.6735

Trichromacy



Original Color

32.8211, 31.9704, 13.8922

Protanomaly

30.6341, 32.0025, 14.4600

Deuteranomaly

32.5756, 31.8438, 13.8807

Tritanomaly

34.9896, 31.9547, 24.4024

Monochromacy



Original Color

32.8211, 31.9704, 13.8922

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3858, 31.3970, 25.2276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8211, 31.9704, 13.8922 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(188, 146, 89)` looks like.

```
.text, #text, p{  
    color:rgb(188, 146, 89)  
}
```

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(188, 146, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 146, 89) }
```

Border

The CSS property to change the border of an element to XYZ 32.8211, 31.9704, 13.8922 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(188, 146, 89) }
```


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

```
.border{ border-color:rgb(188, 146, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 146, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 146, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 146, 89);  
box-shadow:4px 4px 4px 4px rgb(188, 146,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8211, 31.9704, 13.8922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 146, 89) }
```

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

```
.background{ background-color: rgb(188,  
146, 89) }
```

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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