

Converting Colors

XYZ(31.1300, 29.3015, 13.8071)

Have a look what the booklet for
XYZ(31.1300, 29.3015, 13.8071)
contains.

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Color

**XYZ(31.2265, 29.3714,
13.9210)**

Conversions

Conversions Part 1

Format	Color
Hex	BA8A5B
RGB	186, 138, 91
RGB Percent	73%, 54%, 36%
CMY	0.2706, 0.4588, 0.6431
CMYK	0.00, 0.26, 0.51, 0.27
HSL	30°, 41%, 54%
HSV	30°, 51%, 73%
XYZ	31.2265, 29.3714, 13.9210
YIQ	146.9940, 43.6950, -4.4410

Conversions

Conversions Part 2

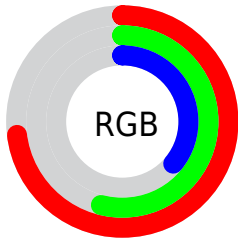
Format	Color
RYB	186, 184, 91
Decimal	12225115
CIELab	61.11, 12.65, 32.19
CIELCh	61, 34.585, 68.549
Yxy	29.3714, 0.4190, 0.3941
Android (android.graphics.Color)	4290415195 (0xFFBA8A5B)
YUV	146.9940, -27.6050, 34.2083
Hunter-Lab	54.1954, 8.0069, 22.7071

Details

The XYZ color **31.2265, 29.3714, 13.9210** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.4095, 24.2335, 49.9506**, and the grayscale version is **27.8292, 29.2785, 31.8843**.

A 20% lighter version of the original color is **60.8215, 58.4477, 33.6671**, and **13.1503, 11.9071, 3.9881** is the 20% darker color. If you saturate the color by 10%, you get **29.2312, 26.5096, 9.7760**, and if you desaturate by 10%, it is **33.5388, 32.5489, 19.1533**.

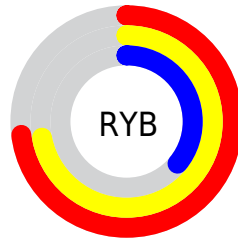
Distribution



Red (73%)

Green (54%)

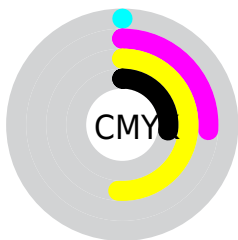
Blue (36%)



Red (73%)

Yellow (72%)

Blue (36%)

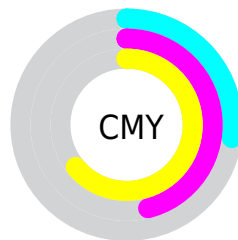


Cyan (0%)

Magenta (26%)

Yellow (51%)

Black (27%)



Cyan (27%)


Magenta (46%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2265, 29.3714, 13.9210 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 31.2265, 29.3714, 13.9210 by changing the saturation by 10% instead.


 31.2265, 29.3714,
13.9210


 31.2265, 29.3714,
13.9210


299.3887,
298.9633, 228.1501


 20.9241, 19.3620,
7.9276


 60.9699, 58.6667,
33.6639

 13.1806, 11.9321,
3.9616


 81.1416, 78.7212,
48.2505

 7.6309, 6.6975,
1.6043

 105.3337,
102.8930, 66.5386

 3.9095, 3.2736,
0.2939

 133.9117,
131.5664, 88.9467

 1.6511, 1.2762,
0.0000

167.2408,
165.1257, 115.8933

 0.4253, 0.1227,
0.0000

205.6865,

 0.0000, 0.0000,

203.9553, 147.7971

0.0000

249.6140,
248.4397, 185.0765

■ 31.2265, 29.3714,
13.9210

■ 31.2265, 29.3714,
13.9210

■ 29.2312, 26.5096,
9.7760

■ 33.5388, 32.5489,
19.1533

■ 27.5328, 23.9475,
6.6369

■ 36.1822, 36.0489,
25.5428

■ 26.1119, 21.6734,
4.4130

■ 39.1724, 39.8832,
33.1558

■ 24.9450, 19.6728,
2.9966

■ 42.5234, 44.0617,
42.0527

■ 24.0793, 18.0985,
2.2242

■ 46.2484, 48.5936,
52.2902

■ 50.3597, 53.4880,
63.9212

■ 54.8692, 58.7535,
76.9960

■ 59.7881, 64.3982,
91.5624

■ 64.5747, 70.2093,
104.7560

Harmonies

Analogous

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



35.3021, 29.3714, 18.8117



31.2265, 29.3714, 13.9210



26.6410, 29.3714, 13.1039

Triad

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



31.2265, 29.3714, 13.9210



20.1549, 29.3714, 35.8363



33.7075, 29.3714, 55.7409

Complementary

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



31.2265, 29.3714, 13.9210



22.4095, 24.2335, 49.9506

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.



29.2324, 29.3714, 63.5562



31.2265, 29.3714, 13.9210



21.6405, 29.3714, 50.1926

Square

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



31.2265, 29.3714, 13.9210



20.5656, 29.3714, 23.6938



24.8493, 29.3714, 61.2893



36.8389, 29.3714, 42.0038

Rectangle

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



31.2265, 29.3714, 13.9210



23.9553, 29.3714, 14.6847



24.8493, 29.3714, 61.2893



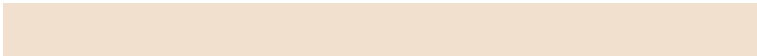
32.2922, 29.3714, 59.2962

Sweetspot

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



31.2272, 29.3728, 13.9216



74.4603, 76.6266, 69.2027



28.7307, 19.8174, 27.1543



16.1148, 16.5218, 14.4899



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.



31.2272, 29.3728, 13.9216



52.6733, 47.5934, 17.1126



39.3651, 45.6486, 16.6342



9.3617, 9.7264, 9.4909



16.2747, 12.3258, 1.5213



0.6357, 0.5584, 0.0743

Inverse Universe

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



22.4095, 24.2335, 49.9506



34.9428, 37.2569, 89.5510



17.0555, 13.5254, 48.1659



8.8860, 9.4492, 11.4350



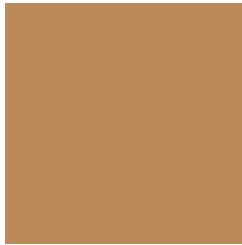
8.7290, 7.9176, 32.3213



0.3696, 0.4028, 1.1600

Previews

White Background



This preview shows how the XYZ color 31.2265, 29.3714, 13.9210 looks on a white background.

Color Contrast Check

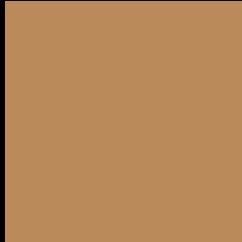
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2265, 29.3714, 13.9210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

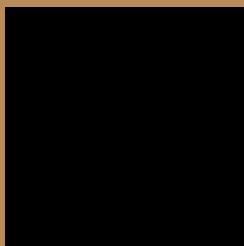
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2265, 29.3714, 13.9210

Background



This preview shows how black text looks on a background with the XYZ color 31.2265, 29.3714, 13.9210.



This preview shows how white text looks on a background with the XYZ color 31.2265, 29.3714,

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

31.2265, 29.3714, 13.9210

Protanopia

27.3534, 29.5831, 15.0949

Deuteranopia

29.9607, 29.3716, 13.7631



Tritanopia

34.3690, 29.4027, 29.4550

Trichromacy



Original Color

31.2265, 29.3714, 13.9210

Protanomaly

28.5712, 29.3007, 14.7394

Deuteranomaly

30.5150, 29.4394, 13.7469

Tritanomaly

33.0865, 29.2991, 22.6503

Monochromacy



Original Color

31.2265, 29.3714, 13.9210

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.5020, 29.0559, 24.1848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2265, 29.3714, 13.9210 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(186, 138, 91)` looks like.

```
.text, #text, p{  
    color:rgb(186, 138, 91)  
}
```

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(186, 138, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 138, 91) }
```

Border

The CSS property to change the border of an element to XYZ 31.2265, 29.3714, 13.9210 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(186, 138, 91) }
```


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

```
.border{ border-color:rgb(186, 138, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 138, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 138, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 138, 91);  
box-shadow:4px 4px 4px 4px rgb(186, 138,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2265, 29.3714, 13.9210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 138, 91) }
```

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

```
.background{ background-color: rgb(186,  
138, 91) }
```

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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