

Converting Colors

XYZ(31.3709, 28.7424, 22.4876)

Have a look what the booklet for
XYZ(31.3709, 28.7424, 22.4876)
contains.

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Color

**XYZ(31.4354, 28.8621,
22.6530)**

Conversions

Conversions Part 1

Format	Color
Hex	B5887B
RGB	181, 136, 123
RGB Percent	71%, 53%, 48%
CMY	0.2902, 0.4666, 0.5176
CMYK	0.00, 0.25, 0.32, 0.29
HSL	13°, 28%, 60%
HSV	13°, 32%, 71%
XYZ	31.4354, 28.8621, 22.6530
YIQ	147.9730, 30.9930, 5.4970

Conversions

Conversions Part 2

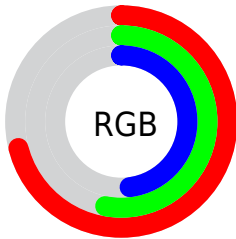
Format	Color
R_{YB}	181, 140, 123
Decimal	11896955
CIE _{Lab}	60.66, 15.35, 13.66
CIE _{LCh}	61, 20.548, 41.676
Yxy	28.8621, 0.3790, 0.3479
Android (android.graphics.Color)	4290087035 (0xFFB5887B)
YUV	147.9730, -12.3117, 28.9647
Hunter-Lab	53.7235, 10.4303, 12.6062

Details

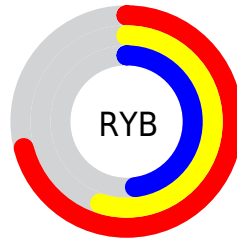
The XYZ color **31.4354, 28.8621, 22.6530** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **30.5112, 35.5514, 48.9703**, and the grayscale version is **28.1783, 29.6458, 32.2843**.

A 20% lighter version of the original color is **61.1954, 57.6675, 48.4630**, and **13.3162, 11.6620, 8.0277** is the 20% darker color. If you saturate the color by 10%, you get **28.5558, 24.7515, 16.6104**, and if you desaturate by 10%, it is **34.7852, 33.5774, 29.8865**.

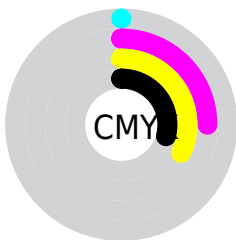
Distribution



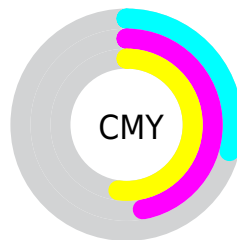
- Red (71%)
- Green (53%)
- Blue (48%)



- Red (71%)
- Yellow (55%)
- Blue (48%)



- Cyan (0%)
- Magenta (25%)
- Yellow (32%)
- Black (29%)





- Cyan (29%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4354, 28.8621, 22.6530 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 31.4354, 28.8621, 22.6530 by changing the saturation by 10% instead.


 31.4354, 28.8621,
22.6530


 31.4354, 28.8621,
22.6530


300.3304,
296.5638, 279.0016


 21.0841, 18.9765,
14.1346


 61.2961, 57.8579,
48.7389

 13.2983, 11.6533,
8.0745


 81.5362, 77.7370,
67.1434

 7.7127, 6.5081,
4.0542


 105.8032,
101.7159, 89.6805

 3.9619, 3.1564,
1.6551

134.4626,
130.1792, 116.7685

 1.6806, 1.2139,
0.3297

167.8797,
163.5113, 148.8261

 0.4441, 0.0730,
0.0000

206.4197,

 0.0000, 0.0000,

202.0965, 186.2718

0.0000

250.4482,
246.3191, 229.5241

■ 31.4354, 28.8621,
22.6530

■ 31.4354, 28.8621,
22.6530

■ 28.5558, 24.7515,
16.6104

■ 34.7852, 33.5774,
29.8865

■ 26.1225, 21.2170,
11.6927

■ 38.6229, 38.9166,
38.3685

■ 24.1130, 18.2335,
7.8302


■ 42.9684, 44.9029,
48.1550

■ 22.5016, 15.7727,
4.9445


■ 47.8395, 51.5572,
59.2981


■ 21.2599, 13.8033,
2.9462

■ 53.2532, 58.8995,
71.8469

 20.3551, 12.2905,
1.7293

 59.2257, 66.9486,
85.8482

 19.8346, 11.3808,
1.1513

 65.7726, 75.7231,
101.3466

 70.7784, 84.3884,
107.1659

 72.8662, 88.5638,
107.8618

Harmonies

Analogous

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



32.7558, 28.8621, 28.5520



31.4354, 28.8621, 22.6530



29.0732, 28.8621, 19.4646

Triad

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



31.4354, 28.8621, 22.6530



22.8555, 28.8621, 27.0395



28.4814, 28.8621, 48.0757

Complementary

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



31.4354, 28.8621, 22.6530



30.5112, 35.5514, 48.9703

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.



25.8548, 28.8621, 47.4940



31.4354, 28.8621, 22.6530



22.7197, 28.8621, 34.4864

Square

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



31.4354, 28.8621, 22.6530



24.1684, 28.8621, 21.7005



23.7848, 28.8621, 42.2137



30.9781, 28.8621, 43.6938

Rectangle

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



31.4354, 28.8621, 22.6530



27.2831, 28.8621, 18.9341



23.7848, 28.8621, 42.2137



27.5825, 28.8621, 48.4712

Sweetspot

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



31.4362, 28.8635, 22.6536



70.5628, 71.6211, 71.8253



33.2476, 26.8333, 40.6851



15.0292, 15.1730, 15.0276



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.4362, 28.8635, 22.6536



52.8092, 46.7213, 33.2059



36.0086, 38.0083, 24.1777



8.6458, 8.8041, 8.8962



13.7176, 7.9337, 0.8084



0.4754, 0.3372, 0.0400

Inverse Universe

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



30.5112, 35.5514, 48.9703



50.8966, 60.4401, 87.2782



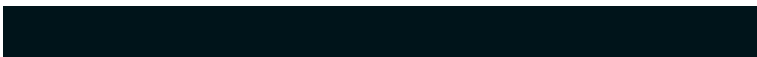
25.8047, 26.1385, 47.4015



8.5779, 9.3019, 10.8497



12.3107, 15.4217, 32.4648



0.4273, 0.5651, 1.0348

Previews

White Background



This preview shows how the XYZ color 31.4354, 28.8621, 22.6530 looks on a white background.

Color Contrast Check

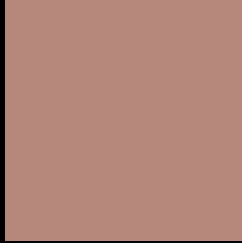
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4354, 28.8621, 22.6530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

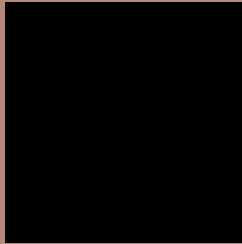
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4354, 28.8621, 22.6530

Background



This preview shows how black text looks on a background with the XYZ color 31.4354, 28.8621, 22.6530.



This preview shows how white text looks on a background with the XYZ color 31.4354, 28.8621,

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

31.4354, 28.8621, 22.6530

Protanopia

27.3120, 28.8886, 24.5586

Deuteranopia

29.3999, 28.8899, 22.4391



Tritanopia

32.8739, 28.8255, 29.8178

Trichromacy



Original Color

31.4354, 28.8621, 22.6530

Protanomaly

28.5432, 28.6389, 23.7621

Deuteranomaly

29.9791, 28.7546, 22.3825

Tritanomaly

32.2604, 28.7729, 27.1460

Monochromacy



Original Color

31.4354, 28.8621, 22.6530

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.1307, 29.2842, 28.5432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4354, 28.8621, 22.6530 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(181, 136, 123)` looks like.

```
.text, #text, p{  
    color:rgb(181, 136, 123)  
}
```

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(181, 136, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 136, 123) }
```

Border

The CSS property to change the border of an element to XYZ 31.4354, 28.8621, 22.6530 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(181, 136, 123) }
```


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

```
.border{ border-color:rgb(181, 136, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 136, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 136, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 136, 123);  
box-shadow:4px 4px 4px 4px rgb(181, 136,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4354, 28.8621, 22.6530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 136, 123) }
```

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

```
.background{ background-color: rgb(181,  
136, 123) }
```

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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