

# Converting Colors

XYZ(33.1626, 30.9470, 24.4724)

Have a look what the booklet for  
XYZ(33.1626, 30.9470, 24.4724)  
contains.

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# Color

**XYZ(33.2709, 31.0687,  
24.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B88E7F
RGB	184, 142, 127
RGB Percent	72%, 56%, 50%
CMY	0.2784, 0.4431, 0.5020
CMYK	0.00, 0.23, 0.31, 0.28
HSL	16°, 29%, 61%
HSV	16°, 31%, 72%
XYZ	33.2709, 31.0687, 24.3220
YIQ	152.8480, 29.8470, 4.2390

# Conversions

## Conversions Part 2

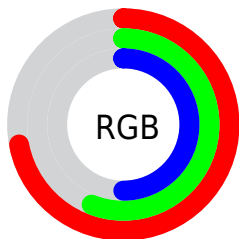
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 147, 127
Decimal	12095103
CIELab	62.57, 13.74, 14.11
CIELCh	63, 19.690, 45.764
Yxy	31.0687, 0.3753, 0.3504
Android (android.graphics.Color)	4290285183 (0xFFB88E7F)
YUV	152.8480, -12.7431, 27.3203
Hunter-Lab	55.7393, 9.0032, 13.1462

# Details

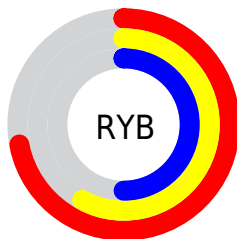
The XYZ color **33.2709, 31.0687, 24.3220** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **31.5915, 36.3473, 50.6980**, and the grayscale version is **30.2574, 31.8332, 34.6663**.

A 20% lighter version of the original color is **64.2538, 61.4759, 51.6595**, and **14.4082, 12.9502, 8.9480** is the 20% darker color. If you saturate the color by 10%, you get **30.2838, 26.8415, 17.9405**, and if you desaturate by 10%, it is **36.7240, 35.8771, 31.9400**.

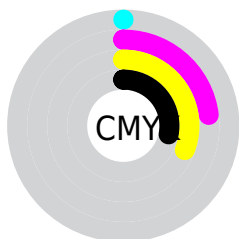
# Distribution



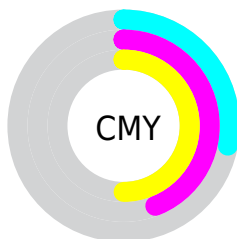
- Red (72%)
- Green (56%)
- Blue (50%)



- Red (72%)
- Yellow (58%)
- Blue (50%)



- Cyan (0%)
- Magenta (23%)
- Yellow (31%)
- Black (28%)




- Cyan (28%)
- Magenta (44%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2709, 31.0687, 24.3220 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 33.2709, 31.0687, 24.3220 by changing the saturation by 10% instead.





 33.2709, 31.0687,  
24.3220


 33.2709, 31.0687,  
24.3220


308.5121,  
306.8547, 287.7832

 22.4943, 20.6512,  
15.3582


 64.1501, 61.3482,  
51.5056

 14.3392, 12.8693,  
8.9218


 84.9834, 81.9790,  
70.5624

 8.4402, 7.3386,  
4.5941


 109.8996,  
106.7830, 93.8208

 4.4321, 3.6747,  
1.9566

139.2641,  
136.1445, 121.6991

 1.9494, 1.4933,  
0.5284

173.4422,  
170.4481, 154.6160

 0.6053, 0.2840,  
0.0000

212.7994,

 0.0000, 0.0000,

210.0781, 192.9899

0.0000

257.7009,  
255.4188, 237.2395

■ 33.2709, 31.0687,  
24.3220

■ 33.2709, 31.0687,  
24.3220

■ 30.2838, 26.8415,  
17.9405

■ 36.7240, 35.8771,  
31.9400

■ 27.7396, 23.1688,  
12.7278

■ 40.6600, 41.2834,  
40.8534

■ 25.6167, 20.0282,  
8.6126


■ 45.0979, 47.3090,  
51.1197


■ 23.8906, 17.3943,  
5.5150


■ 50.0550, 53.9729,  
62.7923


■ 22.5342, 15.2390,  
3.3439


■ 55.5477, 61.2933,  
75.9218


 21.5162, 13.5315,  
1.9919

 61.5917, 69.2878,  
90.5561

 20.8419, 12.3399,  
1.2834

 68.0726, 77.9213,  
106.0603

 72.1451, 86.0662,  
107.4177

 73.5771, 88.9303,  
107.8951

# Harmonies

## Analogous

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



34.7695, 31.0687, 29.9772



33.2709, 31.0687, 24.3220



30.8148, 31.0687, 21.4499

# Triad

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



33.2709, 31.0687, 24.3220



24.8133, 31.0687, 30.3289



30.9514, 31.0687, 50.1039

# Complementary

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



33.2709, 31.0687, 24.3220



31.5915, 36.3473, 50.6980

# 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.



28.2812, 31.0687, 50.2362



33.2709, 31.0687, 24.3220



24.8450, 31.0687, 37.9964

# Square

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



33.2709, 31.0687, 24.3220



25.9911, 31.0687, 24.5458



26.0803, 31.0687, 45.5364



33.3761, 31.0687, 45.1983



# Rectangle

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



33.2709, 31.0687, 24.3220



29.0156, 31.0687, 21.1718



26.0803, 31.0687, 45.5364



30.0502, 31.0687, 50.7304

# Sweetspot

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



33.2717, 31.0702, 24.3226



75.1084, 76.7483, 77.2721



34.5887, 28.2622, 41.5386



15.9520, 16.2183, 16.1078



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



33.2717, 31.0702, 24.3226



56.6253, 51.1176, 36.1650



37.9259, 40.3785, 25.8740



9.1917, 9.3864, 9.4342



14.4144, 8.6052, 0.9012



0.5604, 0.4079, 0.0492



# Inverse Universe

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



31.5915, 36.3473, 50.6980



53.0949, 62.1473, 91.4018



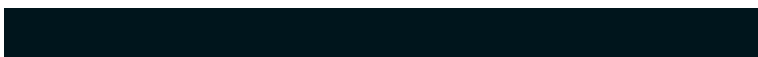
26.9662, 27.0966, 49.1562



9.0613, 9.7997, 11.4934



12.0484, 14.5566, 33.4277



0.4723, 0.6082, 1.1943



# Previews

## White Background



This preview shows how the XYZ color 33.2709, 31.0687, 24.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

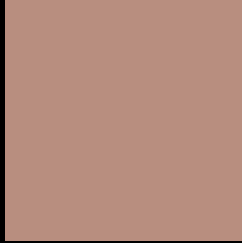
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.2709, 31.0687, 24.3220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

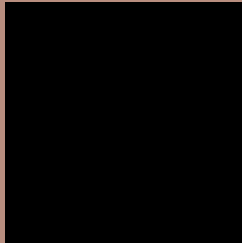
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 33.2709, 31.0687, 24.3220**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.2709, 31.0687, 24.3220.



This preview shows how white text looks on a background with the XYZ color 33.2709, 31.0687,



# 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

33.2709, 31.0687, 24.3220

### Protanopia

29.5295, 31.1701, 26.2899

### Deuteranopia

31.7240, 31.1781, 24.0846



## Tritanopia

34.9071, 31.0743, 32.5919

# Trichromacy



## Original Color

33.2709, 31.0687, 24.3220

## Protanomaly

30.7676, 31.1163, 25.5035

## Deuteranomaly

32.2514, 31.2221, 24.0653

## Tritanomaly

34.1934, 30.9935, 29.3795

# Monochromacy



## Original Color

33.2709, 31.0687, 24.3220

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

31.0913, 31.4010, 30.8079

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.2709, 31.0687, 24.3220 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(184, 142, 127)` looks like.

```
.text, #text, p{  
    color:rgb(184, 142, 127)  
}
```

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(184, 142, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 142, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 33.2709, 31.0687, 24.3220 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(184, 142, 127) }
```



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

```
.border{ border-color:rgb(184, 142, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 142, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 142, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 142, 127);  
box-shadow:4px 4px 4px 4px rgb(184, 142,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.2709, 31.0687, 24.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 142, 127) }
```

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

```
.background{ background-color: rgb(184,  
142, 127) }
```

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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