

Converting Colors

XYZ(31.7959, 29.8741, 24.1816)

Have a look what the booklet for
XYZ(31.7959, 29.8741, 24.1816)
contains.

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Color

**XYZ(31.7993, 29.8722,
24.1686)**

Conversions

Conversions Part 1

Format	Color
Hex	B38C7F
RGB	179, 140, 127
RGB Percent	70%, 55%, 50%
CMY	0.2980, 0.4510, 0.5020
CMYK	0.00, 0.22, 0.29, 0.30
HSL	15°, 25%, 60%
HSV	15°, 29%, 70%
XYZ	31.7993, 29.8722, 24.1686
YIQ	150.1790, 27.4170, 4.2250

Conversions

Conversions Part 2

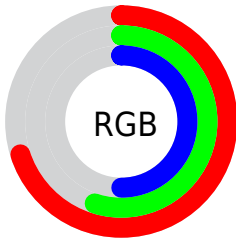
Format	Color
R_{YB}	179, 144, 127
Decimal	11766911
CIE _{Lab}	61.54, 12.87, 12.60
CIE _{LCh}	62, 18.009, 44.403
Yxy	29.8722, 0.3704, 0.3480
Android (android.graphics.Color)	4289956991 (0xFFB38C7F)
YUV	150.1790, -11.4272, 25.2760
Hunter-Lab	54.6555, 8.2067, 12.0408

Details

The XYZ color **31.7993, 29.8722, 24.1686** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **30.5250, 35.0382, 47.8022**, and the grayscale version is **29.1049, 30.6207, 33.3459**.

A 20% lighter version of the original color is **62.1221, 59.7117, 51.4313**, and **13.4888, 12.2224, 8.8559** is the 20% darker color. If you saturate the color by 10%, you get **28.8916, 25.7607, 17.9461**, and if you desaturate by 10%, it is **35.1552, 34.5480, 31.5637**.

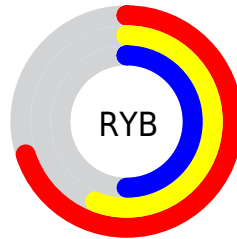
Distribution



Red (70%)

Green (55%)

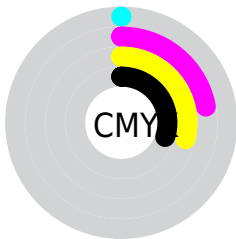
Blue (50%)



Red (70%)

Yellow (56%)

Blue (50%)

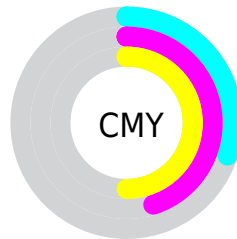


Cyan (0%)

Magenta (22%)

Yellow (29%)

Black (30%)



Cyan (30%)


Magenta (45%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7993, 29.8722, 24.1686 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 31.7993, 29.8722, 24.1686 by changing the saturation by 10% instead.


 31.7993, 29.8722,
24.1686


 31.7993, 29.8722,
24.1686


301.9655,
301.3083, 286.9857


 21.3631, 19.7416,
15.2454


 61.8636, 59.4600,
51.2525

 13.5036, 12.2074,
8.8432


 82.2224, 79.6860,
70.2502

 7.8556, 6.8851,
4.5437

 106.6195,
104.0459, 93.4432

 4.0537, 3.3903,
1.9281

135.4201,
132.9242, 121.2499

 1.7326, 1.3387,
0.5105

168.9897,
166.7052, 154.0890

 0.4765, 0.1709,
0.0000

207.6935,

 0.0000, 0.0000,

205.7732, 192.3790

0.0000

251.8970,
250.5128, 236.5384

■ 31.7993, 29.8722,
24.1686

■ 31.7993, 29.8722,
24.1686

■ 28.8916, 25.7607,
17.9461

■ 35.1552, 34.5480,
31.5637

■ 26.4102, 22.1879,
12.8338

■ 38.9752, 39.8043,
40.1858

■ 24.3347, 19.1320,
8.7661

■ 43.2774, 45.6618,
50.0882

■ 22.6423, 16.5685,
5.6697

■ 48.0781, 52.1388,
61.3203

■ 21.3074, 14.4706,
3.4619

■ 53.3929, 59.2531,
73.9290

■ 20.3010, 12.8085,
2.0456

■ 59.2366, 67.0216,
87.9590

■ 19.5783, 11.5444,
1.2453

■ 65.6236, 75.4604,
103.4527

■ 19.5198, 11.4424,
1.1798

■ 70.0222, 83.5671,
107.0472

■ 72.4005, 88.3238,
107.8400

Harmonies

Analogous

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



33.0738, 29.8722, 29.3647



31.7993, 29.8722, 24.1686



29.6445, 29.8722, 21.4374

Triad

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



31.7993, 29.8722, 24.1686



24.1976, 29.8722, 29.1183



29.5496, 29.8722, 46.9895

Complementary

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



31.7993, 29.8722, 24.1686



30.5250, 35.0382, 47.8022

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.



27.1765, 29.8722, 46.8990



31.7993, 29.8722, 24.1686



24.1754, 29.8722, 35.9059

Square

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



31.7993, 29.8722, 24.1686



25.3009, 29.8722, 24.0101



25.2384, 29.8722, 42.6165



31.7264, 29.8722, 42.8488

Rectangle

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



31.7993, 29.8722, 24.1686



28.0417, 29.8722, 21.1020



25.2384, 29.8722, 42.6165



28.7464, 29.8722, 47.4695

Sweetspot

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



31.8001, 29.8736, 24.1692



69.7290, 71.1864, 71.8021



33.0630, 27.5160, 39.6452



15.2184, 15.4562, 15.3839



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.



31.8001, 29.8736, 24.1692



53.4571, 48.5728, 35.7649



36.0577, 38.3887, 25.5884



8.6633, 8.8392, 8.9020



13.8383, 8.1752, 0.8486



0.4826, 0.3515, 0.0424

Inverse Universe

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



30.5250, 35.0382, 47.8022



50.7826, 59.3494, 85.1602



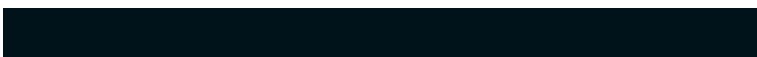
26.2675, 26.5233, 46.3831



8.5591, 9.2645, 10.8434



11.8508, 14.5020, 32.3116



0.4159, 0.5423, 1.0310

Previews

White Background



This preview shows how the XYZ color 31.7993, 29.8722, 24.1686 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 31.7993, 29.8722, 24.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

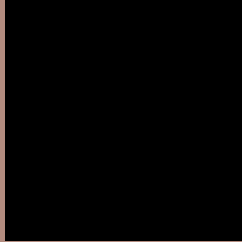
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7993, 29.8722, 24.1686

Background



This preview shows how black text looks on a background with the XYZ color 31.7993, 29.8722, 24.1686.



This preview shows how white text looks on a background with the XYZ color 31.7993, 29.8722,

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

31.7993, 29.8722, 24.1686

Protanopia

28.3969, 29.8864, 25.7447

Deuteranopia

30.3829, 29.8092, 23.8911



Tritanopia

33.3470, 29.8532, 32.0216

Trichromacy



Original Color

31.7993, 29.8722, 24.1686

Protanomaly

29.4645, 29.7550, 25.3094

Deuteranomaly

30.8945, 29.8510, 23.8722

Tritanomaly

32.6445, 29.7737, 28.8373

Monochromacy



Original Color

31.7993, 29.8722, 24.1686

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.8593, 30.0878, 29.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7993, 29.8722, 24.1686 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(179, 140, 127)` looks like.

```
.text, #text, p{  
    color:rgb(179, 140, 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(179, 140, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 140, 127) }
```

Border

The CSS property to change the border of an element to XYZ 31.7993, 29.8722, 24.1686 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(179, 140, 127) }
```


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

```
.border{ border-color:rgb(179, 140, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 140, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 140, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 140, 127);  
box-shadow:4px 4px 4px 4px rgb(179, 140,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7993, 29.8722, 24.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 140, 127) }
```

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

```
.background{ background-color: rgb(179,  
140, 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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