

Converting Colors

XYZ(33.2996, 27.0849, 22.2117)

Have a look what the booklet for
XYZ(33.2996, 27.0849, 22.2117)
contains.

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Color

**XYZ(33.2996, 27.0849,
22.2117)**

Conversions

Conversions Part 1

Format	Color
Hex	C47A7B
RGB	196, 122, 123
RGB Percent	77%, 48%, 48%
CMY	0.2314, 0.5215, 0.5176
CMYK	0.00, 0.38, 0.37, 0.23
HSL	359°, 39%, 62%
HSV	359°, 38%, 77%
XYZ	33.2996, 27.0849, 22.2117
YIQ	144.2400, 43.7830, 15.9990

Conversions

Conversions Part 2

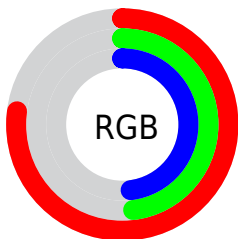
Format	Color
R_{YB}	196, 122, 123
Decimal	12876411
CIE _{Lab}	59.05, 28.98, 11.67
CIE _{LCh}	59, 31.239, 21.930
Yxy	27.0849, 0.4032, 0.3279
Android (android.graphics.Color)	4291066491 (0xFFC47A7B)
YUV	144.2400, -10.4713, 45.3935
Hunter-Lab	52.0432, 23.1370, 11.1256

Details

The XYZ color **33.2996, 27.0849, 22.2117** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **37.6175, 47.5581, 58.8293**, and the grayscale version is **26.6352, 28.0223, 30.5163**.

A 20% lighter version of the original color is **63.9409, 54.8259, 47.7698**, and **14.3686, 10.7046, 7.7874** is the 20% darker color. If you saturate the color by 10%, you get **30.0379, 22.3111, 15.7308**, and if you desaturate by 10%, it is **37.2871, 32.9277, 30.1145**.

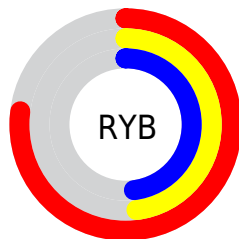
Distribution



Red (77%)

Green (48%)

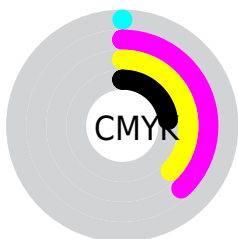
Blue (48%)



Red (77%)

Yellow (48%)

Blue (48%)

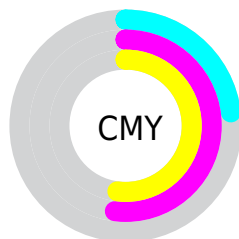


Cyan (0%)

Magenta (38%)

Yellow (37%)

Black (23%)



Cyan (23%)


Magenta (52%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2996, 27.0849, 22.2117 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 33.2996, 27.0849, 22.2117 by changing the saturation by 10% instead.


 33.2996, 27.0849,
22.2117


 33.2996, 27.0849,
22.2117

308.6388,
288.0680, 276.6393


 22.5164, 17.6370,
13.8127


 64.1945, 55.0201,
48.0023

 14.3555, 10.6897,
7.8533

 85.0370, 74.2761,
66.2310

 8.4517, 5.8586,
3.9148


 109.9632, 97.5704,
88.5734

 4.4396, 2.7593,
1.5787

139.3386,
125.2872, 115.4480

 1.9537, 1.0074,
0.2756

173.5285,
157.8109, 147.2734

 0.6077, 0.0000,
0.0000

212.8983,

 0.0000, 0.0000,

195.5261, 184.4680

0.0000

257.8132,
238.8169, 227.4505

■ 33.2996, 27.0849,
22.2117

■ 33.2996, 27.0849,
22.2117

■ 30.0379, 22.3111,
15.7308

■ 37.2871, 32.9277,
30.1145

■ 27.4564, 18.5378,
10.5861

■ 42.0383, 39.8944,
39.5152

■ 25.5077, 15.6951,
6.6849

■ 47.5907, 48.0410,
50.4859

■ 24.1373, 13.7024,
3.9220

■ 53.9790, 57.4187,
63.0938

■ 23.2817, 12.4653,
2.1751

■ 61.2357, 68.0754,
77.4022

■ 22.8510, 11.8467,
1.2828

■ 69.3917, 80.0569,
93.4711

■ 22.7793, 11.7415,
1.1414

■ 76.5749, 90.4757,
108.0354

Harmonies

Analogous

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



33.8556, 27.0849, 32.5919



33.2996, 27.0849, 22.2117



30.6212, 27.0849, 15.6696

Triad

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



33.2996, 27.0849, 22.2117



20.3073, 27.0849, 18.1841



24.7106, 27.0849, 56.0947

Complementary

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



33.2996, 27.0849, 22.2117



37.6175, 47.5581, 58.8293

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.



21.4132, 27.0849, 49.7033



33.2996, 27.0849, 22.2117



19.0430, 27.0849, 26.5930

Square

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



33.2996, 27.0849, 22.2117



23.0574, 27.0849, 13.7838



19.4266, 27.0849, 38.2084



28.6303, 27.0849, 54.0716

Rectangle

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



33.2996, 27.0849, 22.2117



28.1266, 27.0849, 13.4896



19.4266, 27.0849, 38.2084



23.4988, 27.0849, 54.8121

Sweetspot

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



33.3003, 27.0862, 22.2122



82.6058, 81.7350, 84.3328



39.3694, 29.4770, 55.8391



17.3807, 17.0540, 17.4574



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.3003, 27.0862, 22.2122



55.5217, 42.0361, 30.6975



38.4657, 37.5161, 23.6281



10.0786, 10.0800, 10.5043



14.6393, 7.5455, 0.7469



0.6345, 0.3268, 0.0424

Inverse Universe

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



33.3003, 27.0862, 22.2122



55.5217, 42.0361, 30.6975



30.6023, 33.3470, 57.0481



10.0786, 10.0800, 10.5043



14.6393, 7.5455, 0.7469



0.6345, 0.3268, 0.0424

Previews

White Background



This preview shows how the XYZ color 33.2996, 27.0849, 22.2117 looks on a white background.

Color Contrast Check

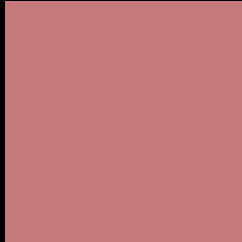
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2996, 27.0849, 22.2117 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 33.2996, 27.0849, 22.2117

Background



This preview shows how black text looks on a background with the XYZ color 33.2996, 27.0849, 22.2117.



This preview shows how white text looks on a background with the XYZ color 33.2996, 27.0849,

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

33.2996, 27.0849, 22.2117

Protanopia

25.9393, 27.2425, 26.0815

Deuteranopia

27.6457, 27.1399, 21.5507



Tritanopia

33.8926, 27.1568, 24.5745

Trichromacy



Original Color

33.2996, 27.0849, 22.2117

Protanomaly

28.1435, 26.9123, 24.4801

Deuteranomaly

29.6070, 27.1131, 21.7621

Tritanomaly

33.6941, 27.0774, 23.5293

Monochromacy



Original Color

33.2996, 27.0849, 22.2117

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.3524, 27.1724, 27.0430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2996, 27.0849, 22.2117 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(196, 122, 123)` looks like.

```
.text, #text, p{  
    color:rgb(196, 122, 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(196, 122, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 122, 123) }
```

Border

The CSS property to change the border of an element to XYZ 33.2996, 27.0849, 22.2117 is called "border". The border property can be set on classes, ids or directly on the HTML element.

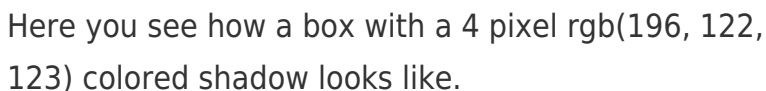
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 122, 123) }
```


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

```
.border{ border-color:rgb(196, 122, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 122, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 122, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 122, 123); box-shadow:4px 4px 4px 4px rgb(196, 122, 123) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2996, 27.0849, 22.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 122, 123) }
```

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

```
.background{ background-color: rgb(196,  
122, 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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