

Converting Colors

XYZ(33.1212, 27.2376, 17.6062)

Have a look what the booklet for
XYZ(33.1212, 27.2376, 17.6062)
contains.

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Color

**XYZ(33.0784, 27.2544,
17.7046)**

Conversions

Conversions Part 1

Format	Color
Hex	C67B6C
RGB	198, 123, 108
RGB Percent	78%, 48%, 42%
CMY	0.2235, 0.5176, 0.5765
CMYK	0.00, 0.38, 0.45, 0.22
HSL	10°, 44%, 60%
HSV	10°, 45%, 78%
XYZ	33.0784, 27.2544, 17.7046
YIQ	143.7150, 49.5150, 11.2350

Conversions

Conversions Part 2

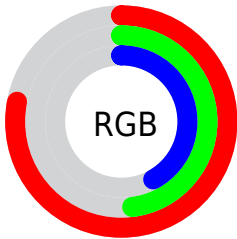
Format	Color
R _Y B	198, 126, 108
Decimal	13007724
CIE Lab	59.21, 27.52, 20.51
CIE LCh	59, 34.324, 36.692
Yxy	27.2544, 0.4239, 0.3492
Android (android.graphics.Color)	4291197804 (0xFFC67B6C)
YUV	143.7150, -17.6075, 47.6079
Hunter-Lab	52.2057, 21.7404, 16.4369

Details

The XYZ color **33.0784, 27.2544, 17.7046** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.3100, 41.1304, 59.6092**, and the grayscale version is **26.4499, 27.8273, 30.3040**.

A 20% lighter version of the original color is **63.1105, 54.8487, 40.5183**, and **14.1827, 10.7541, 5.6032** is the 20% darker color. If you saturate the color by 10%, you get **30.2648, 23.1264, 12.1450**, and if you desaturate by 10%, it is **36.4776, 32.1707, 24.6405**.

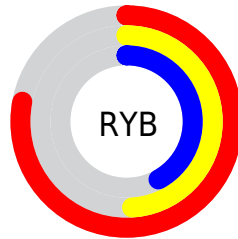
Distribution



Red (78%)

Green (48%)

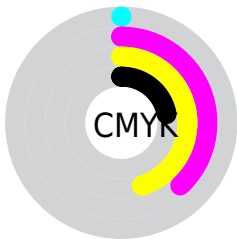
Blue (42%)



Red (78%)

Yellow (49%)

Blue (42%)

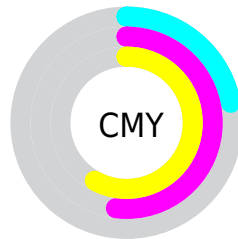


Cyan (0%)

Magenta (38%)

Yellow (45%)

Black (22%)



Cyan (22%)


Magenta (52%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0784, 27.2544, 17.7046 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 33.0784, 27.2544, 17.7046 by changing the saturation by 10% instead.


 33.0784, 27.2544,
17.7046


 33.0784, 27.2544,
17.7046


307.6616,
288.8868, 251.3807


 22.3460, 17.7644,
10.5709


 63.8518, 55.2918,
40.3404


 14.2294, 10.7810,
5.6686


 84.6235, 74.6080,
56.6796

 8.3632, 5.9197,
2.5791

 109.4724, 97.9684,
76.9244

 4.3819, 2.7963,
0.8816

 138.7638,
125.7573, 101.4933

 1.9204, 1.0264,
0.0000

172.8630,
158.3593, 130.8048

 0.5887, 0.0000,
0.0000

212.1355,

 0.0000, 0.0000,

196.1585, 165.2775

0.0000

256.9466,
239.5396, 205.3299

■ 33.0784, 27.2544,
17.7046

■ 33.0784, 27.2544,
17.7046

■ 30.2648, 23.1264,
12.1450

■ 36.4776, 32.1707,
24.6405

■ 28.0011, 19.7416,
7.8680

■ 40.4914, 37.9093,
33.0348

■ 26.2507, 17.0563,
4.7704


■ 45.1491, 44.5072,
42.9651


■ 24.9715, 15.0207,
2.7327


■ 50.4777, 51.9980,
54.5028


■ 24.1140, 13.5777,
1.6083


■ 56.5024, 60.4131,
67.7150

 23.8327, 13.0940,
1.2713

 63.2473, 69.7829,
82.6650

 70.7353, 80.1360,
99.4128

 77.0977, 90.7438,
108.0596

 77.0986, 90.7457,
108.0599

Harmonies

Analogous

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



34.9661, 27.2544, 27.0132



33.0784, 27.2544, 17.7046



29.2985, 27.2544, 12.8683

Triad

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



33.0784, 27.2544, 17.7046



19.0588, 27.2544, 21.2937



26.8752, 27.2544, 59.7720

Complementary

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



33.0784, 27.2544, 17.7046



33.3100, 41.1304, 59.6092

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.



22.7833, 27.2544, 57.0046



33.0784, 27.2544, 17.7046



18.5616, 27.2544, 32.5070

Square

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



33.0784, 27.2544, 17.7046



21.2925, 27.2544, 14.5064



19.8509, 27.2544, 46.1001



31.1385, 27.2544, 52.8657

Rectangle

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



33.0784, 27.2544, 17.7046



26.3822, 27.2544, 11.8189



19.8509, 27.2544, 46.1001



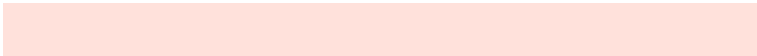
25.4326, 27.2544, 59.9656

Sweetspot

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



33.0791, 27.2558, 17.7051



81.0591, 80.3770, 78.4671



37.1985, 26.1500, 47.8865



16.9350, 16.6186, 15.9031



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.



33.0791, 27.2558, 17.7051



53.4276, 40.7070, 21.1856



39.9981, 41.0938, 20.0115



10.7744, 10.9179, 11.1023



15.5420, 8.6011, 0.8410



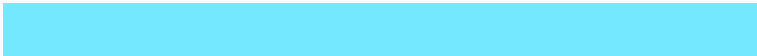
0.7817, 0.4989, 0.0551

Inverse Universe

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



33.3100, 41.1304, 59.6092



53.8365, 68.3461, 104.9624



25.4661, 25.4426, 56.9945



10.7904, 11.7549, 13.6177



15.4318, 20.2574, 37.8411



0.7718, 1.0414, 1.8055

Previews

White Background



This preview shows how the XYZ color 33.0784, 27.2544, 17.7046 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 33.0784, 27.2544, 17.7046 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 33.0784, 27.2544, 17.7046

Background



This preview shows how black text looks on a background with the XYZ color 33.0784, 27.2544, 17.7046.



This preview shows how white text looks on a background with the XYZ color 33.0784, 27.2544,

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

33.0784, 27.2544, 17.7046

Protanopia

25.7958, 27.5086, 20.7797

Deuteranopia

27.8576, 27.3463, 17.1747



Tritanopia

34.4983, 27.2973, 24.2195

Trichromacy



Original Color

33.0784, 27.2544, 17.7046

Protanomaly

27.9899, 27.1481, 19.6845

Deuteranomaly

29.6752, 27.2464, 17.3307

Tritanomaly

33.8418, 27.1973, 21.5551

Monochromacy



Original Color

33.0784, 27.2544, 17.7046

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.2107, 27.1395, 25.2243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0784, 27.2544, 17.7046 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(198, 123, 108)` looks like.

```
.text, #text, p{  
    color:rgb(198, 123, 108)  
}
```

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(198, 123, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 123, 108) }
```

Border

The CSS property to change the border of an element to XYZ 33.0784, 27.2544, 17.7046 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(198, 123, 108) }
```


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

```
.border{ border-color:rgb(198, 123, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 123, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 123, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 123, 108);  
box-shadow:4px 4px 4px 4px rgb(198, 123,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0784, 27.2544, 17.7046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 123, 108) }
```

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

```
.background{ background-color: rgb(198,  
123, 108) }
```

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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