

Converting Colors

XYZ(34.0203, 27.5684, 19.7749)

Have a look what the booklet for
XYZ(34.0203, 27.5684, 19.7749)
contains.

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Color

**XYZ(33.8735, 27.4362,
19.7301)**

Conversions

Conversions Part 1

Format	Color
Hex	C87A73
RGB	200, 122, 115
RGB Percent	78%, 48%, 45%
CMY	0.2157, 0.5215, 0.5490
CMYK	0.00, 0.39, 0.42, 0.22
HSL	5°, 44%, 62%
HSV	5°, 42%, 78%
XYZ	33.8735, 27.4362, 19.7301
YIQ	144.5240, 48.7350, 14.3590

Conversions

Conversions Part 2

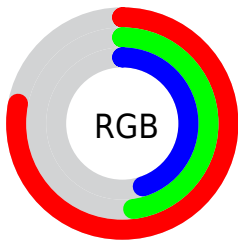
Format	Color
RYB	200, 123, 115
Decimal	13138547
CIELab	59.38, 29.60, 16.78
CIElCh	59, 34.026, 29.553
Yxy	27.4362, 0.4180, 0.3386
Android (android.graphics.Color)	4291328627 (0xFFC87A73)
YUV	144.5240, -14.5553, 48.6525
Hunter-Lab	52.3796, 23.7704, 14.3326

Details

The XYZ color **33.8735, 27.4362, 19.7301** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.5648, 45.9532, 61.5863**, and the grayscale version is **26.7646, 28.1584, 30.6645**.

A 20% lighter version of the original color is **63.5450, 54.7100, 43.7701**, and **14.6582, 10.8796, 6.6376** is the 20% darker color. If you saturate the color by 10%, you get **30.8005, 22.9366, 13.6306**, and if you desaturate by 10%, it is **37.6231, 32.8894, 27.2874**.

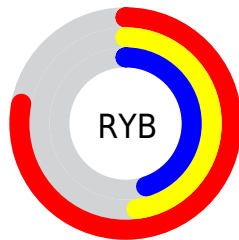
Distribution



Red (78%)

Green (48%)

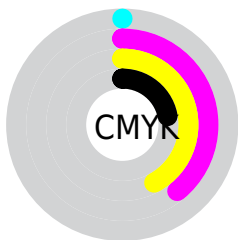
Blue (45%)



Red (78%)

Yellow (48%)

Blue (45%)

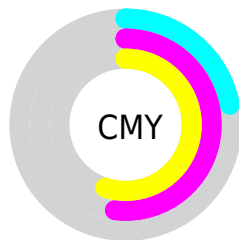


Cyan (0%)

Magenta (39%)

Yellow (42%)

Black (22%)



Cyan (22%)


Magenta (52%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8735, 27.4362, 19.7301 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 33.8735, 27.4362, 19.7301 by changing the saturation by 10% instead.


 33.8735, 27.4362,
19.7301


 33.8735, 27.4362,
19.7301

311.1635,
289.7630, 263.0060


 22.9589, 17.9011,
12.0169


 65.0825, 55.5830,
43.8172

 14.6837, 10.8790,
6.6325


 86.1076, 74.9636,
61.0282

 8.6825, 5.9855,
3.1584


 111.2335, 98.3947,
82.2422

 4.5901, 2.8363,
1.1761

140.8257,
126.2608, 107.8777

 2.0411, 1.0469,
0.0000

175.2494,
158.9463, 138.3533

 0.6569, 0.0000,
0.0000

214.8700,

 0.0000, 0.0000,

196.8355, 174.0875

0.0000

260.0529,
240.3130, 215.4989

■ 33.8735, 27.4362,
19.7301

■ 33.8735, 27.4362,
19.7301

■ 30.8005, 22.9366,
13.6306

■ 37.6231, 32.8894,
27.2874

■ 28.3618, 19.3319,
8.8934

■ 42.0841, 39.3423,
36.3866

■ 26.5132, 16.5635,
5.4142


■ 47.2917, 46.8430,
47.1071


■ 25.2044, 14.5638,
3.0729

■ 53.2777, 55.4352,
59.5225


■ 24.3762, 13.2549,
1.7257

■ 60.0725, 65.1601,
73.7018

 24.0119, 12.6643,
1.1789

 67.7046, 76.0568,
89.7102

 76.2010, 88.1625,
107.6086

 77.6294, 91.0194,
108.0847

Harmonies

Analogous

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



35.1581, 27.4362, 30.0566



33.8735, 27.4362, 19.7301



30.4533, 27.4362, 13.8670

Triad

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



33.8735, 27.4362, 19.7301



19.6325, 27.4362, 19.4908



26.0135, 27.4362, 60.0165

Complementary

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



33.8735, 27.4362, 19.7301



36.5648, 45.9532, 61.5863

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.



22.1420, 27.4362, 55.0117



33.8735, 27.4362, 19.7301



18.7124, 27.4362, 29.6908

Square

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



33.8735, 27.4362, 19.7301



22.2413, 27.4362, 13.7576



19.5797, 27.4362, 43.0058



30.3308, 27.4362, 55.2870

Rectangle

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



33.8735, 27.4362, 19.7301



27.5912, 27.4362, 12.2294



19.5797, 27.4362, 43.0058



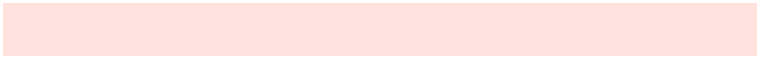
24.6197, 27.4362, 59.4005

Sweetspot

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



33.8742, 27.4376, 19.7306



81.2170, 80.1504, 80.1919



39.7254, 28.4512, 54.6334



16.9315, 16.5048, 16.2309



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.



33.8742, 27.4376, 19.7306



53.6957, 40.2539, 24.3250



40.0409, 39.7710, 21.7862



10.7029, 10.7750, 11.0784



15.2950, 8.1071, 0.7587



0.7491, 0.4336, 0.0442

Inverse Universe

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



36.5648, 45.9532, 61.5863



58.9362, 76.4484, 106.2575



28.6970, 30.2177, 58.9637



10.8691, 11.9122, 13.6439



17.4956, 24.3851, 38.5290



0.8510, 1.1999, 1.8319

Previews

White Background



This preview shows how the XYZ color 33.8735, 27.4362, 19.7301 looks on a white background.

Color Contrast Check

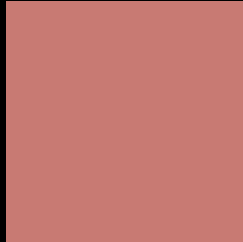
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8735, 27.4362, 19.7301 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 33.8735, 27.4362, 19.7301

Background



This preview shows how black text looks on a background with the XYZ color 33.8735, 27.4362, 19.7301.



This preview shows how white text looks on a background with the XYZ color 33.8735, 27.4362,

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

33.8735, 27.4362, 19.7301

Protanopia

26.1018, 27.6096, 23.3555

Deuteranopia

28.1616, 27.6716, 19.1861



Tritanopia

34.7663, 27.4354, 24.2321

Trichromacy



Original Color

33.8735, 27.4362, 19.7301

Protanomaly

28.2636, 27.0333, 21.8174

Deuteranomaly

30.0543, 27.3981, 19.3271

Tritanomaly

34.5629, 27.5475, 22.5643

Monochromacy



Original Color

33.8735, 27.4362, 19.7301

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.7658, 27.6119, 26.3678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8735, 27.4362, 19.7301 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(200, 122, 115)` looks like.

```
.text, #text, p{  
    color:rgb(200, 122, 115)  
}
```

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(200, 122, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 122, 115) }
```

Border

The CSS property to change the border of an element to XYZ 33.8735, 27.4362, 19.7301 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(200, 122, 115) }
```


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

```
.border{ border-color:rgb(200, 122, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 122, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 122, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 122, 115);  
box-shadow:4px 4px 4px 4px rgb(200, 122,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8735, 27.4362, 19.7301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 122, 115) }
```

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

```
.background{ background-color: rgb(200,  
122, 115) }
```

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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