

Converting Colors

XYZ(27.8563, 22.3312, 14.8990)

Have a look what the booklet for
XYZ(27.8563, 22.3312, 14.8990)
contains.

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Color

**XYZ(27.8838, 22.3862,
14.9079)**

Conversions

Conversions Part 1

Format	Color
Hex	B96E64
RGB	185, 110, 100
RGB Percent	73%, 43%, 39%
CMY	0.2745, 0.5686, 0.6078
CMYK	0.00, 0.41, 0.46, 0.27
HSL	7°, 38%, 56%
HSV	7°, 46%, 73%
XYZ	27.8838, 22.3862, 14.9079
YIQ	131.2850, 47.9100, 12.7900

Conversions

Conversions Part 2

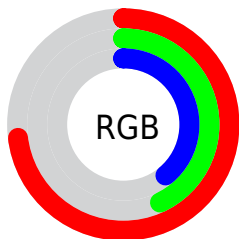
Format	Color
R_{YB}	185, 111, 100
Decimal	12152420
CIE _{Lab}	54.43, 28.64, 18.36
CIE _{LCh}	54, 34.014, 32.662
Yxy	22.3862, 0.4278, 0.3435
Android (android.graphics.Color)	4290342500 (0xFFB96E64)
YUV	131.2850, -15.4235, 47.1081
Hunter-Lab	47.3141, 22.3966, 14.4385

Details

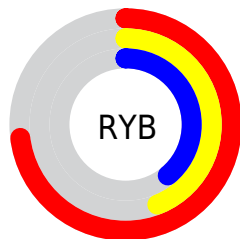
The XYZ color **27.8838, 22.3862, 14.9079** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **29.3418, 36.8706, 51.4693**, and the grayscale version is **21.7173, 22.8482, 24.8817**.

A 20% lighter version of the original color is **55.4684, 47.1297, 35.4516**, and **11.3646, 8.2617, 4.3638** is the 20% darker color. If you saturate the color by 10%, you get **25.4862, 18.8649, 10.1814**, and if you desaturate by 10%, it is **30.8103, 26.6399, 20.8141**.

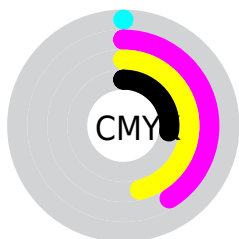
Distribution



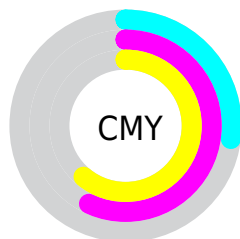
- Red (73%)
- Green (43%)
- Blue (39%)



- Red (73%)
- Yellow (44%)
- Blue (39%)



- Cyan (0%)
- Magenta (41%)
- Yellow (46%)
- Black (27%)




- Cyan (27%)
- Magenta (57%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8838, 22.3862, 14.9079 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 27.8838, 22.3862, 14.9079 by changing the saturation by 10% instead.


 27.8838, 22.3862,
14.9079


 27.8838, 22.3862,
14.9079


284.0014,
264.5565, 234.4296


 18.3781, 14.1409,
8.6089


 55.7088, 47.3835,
35.4315


 11.3231, 8.2188,
4.3936


 74.7588, 64.9043,
50.4932

 6.3535, 4.2352,
1.8437


 97.7210, 86.2858,
69.3129

 3.1039, 1.8060,
0.4565

 124.9606,
111.9123, 92.3091

 1.2089, 0.4909,
0.0000

156.8432,
142.1682, 119.9003

 0.1134, 0.0000,
0.0000

193.7339,

 0.0000, 0.0000,

177.4379, 152.5051

0.0000

235.9982,
218.1059, 190.5420

■ 27.8838, 22.3862,
14.9079

■ 27.8838, 22.3862,
14.9079

■ 25.4862, 18.8649,
10.1814

■ 30.8103, 26.6399,
20.8141

■ 23.5840, 16.0314,
6.5541

■ 34.2931, 31.6605,
27.9709

■ 22.1424, 13.8414,
3.9371


■ 38.3596, 37.4847,
36.4448


■ 21.1216, 12.2439,
2.2274


■ 43.0352, 44.1454,
46.2976


■ 20.4733, 11.1799,
1.2943


■ 48.3436, 51.6741,
57.5868

 20.2902, 10.8795,
1.0305

 54.3071, 60.1004,
70.3669

 60.9471, 69.4525,
84.6894

 68.2840, 79.7575,
100.6035

 73.8176, 89.0543,
107.9063

Harmonies

Analogous

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



29.2506, 22.3862, 23.4358



27.8838, 22.3862, 14.9079



24.7335, 22.3862, 10.3322

Triad

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



27.8838, 22.3862, 14.9079



15.5359, 22.3862, 16.1269



21.6113, 22.3862, 51.0924

Complementary

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



27.8838, 22.3862, 14.9079



29.3418, 36.8706, 51.4693

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.



18.1592, 22.3862, 47.4711



27.8838, 22.3862, 14.9079



14.9033, 22.3862, 25.3385

Square

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



27.8838, 22.3862, 14.9079



17.6465, 22.3862, 10.8783



15.8068, 22.3862, 37.1834



25.3751, 22.3862, 46.0029

Rectangle

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



27.8838, 22.3862, 14.9079



22.2039, 22.3862, 9.1816



15.8068, 22.3862, 37.1834



20.3770, 22.3862, 50.8542

Sweetspot

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



27.8844, 22.3873, 14.9083



70.0605, 69.0744, 68.1231



32.3110, 22.5272, 43.2457



14.7388, 14.3702, 13.9208



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.



27.8844, 22.3873, 14.9083



45.6634, 33.8133, 18.2696



33.6040, 33.8265, 16.8149



9.0875, 9.1779, 9.3995



13.8447, 7.4658, 0.7113



0.5161, 0.3192, 0.0344

Inverse Universe

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



29.3418, 36.8706, 51.4693



48.5566, 62.8633, 91.7792



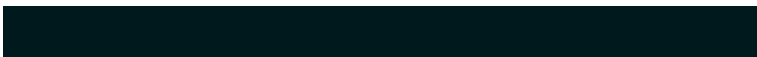
22.3433, 22.8735, 49.1364



9.1740, 10.0253, 11.5310



14.9429, 20.3455, 34.3926



0.5525, 0.7686, 1.2210

Previews

White Background



This preview shows how the XYZ color 27.8838, 22.3862, 14.9079 looks on a white background.

Color Contrast Check

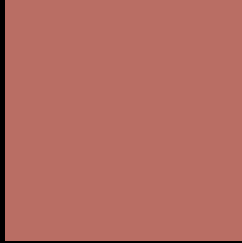
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8838, 22.3862, 14.9079 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 27.8838, 22.3862, 14.9079

Background



This preview shows how black text looks on a background with the XYZ color 27.8838, 22.3862, 14.9079.



This preview shows how white text looks on a background with the XYZ color 27.8838, 22.3862,

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

27.8838, 22.3862, 14.9079

Protanopia

21.2783, 22.4943, 17.9722

Deuteranopia

22.8177, 22.4003, 14.4303



Tritanopia

28.7646, 22.4252, 19.3354

Trichromacy



Original Color

27.8838, 22.3862, 14.9079

Protanomaly

23.2020, 22.1751, 16.6930

Deuteranomaly

24.4381, 22.3141, 14.5743

Tritanomaly

28.5328, 22.5022, 17.5914

Monochromacy



Original Color

27.8838, 22.3862, 14.9079

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.2356, 22.1013, 20.8106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8838, 22.3862, 14.9079 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(185, 110, 100)` looks like.

```
.text, #text, p{  
    color:rgb(185, 110, 100)  
}
```

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(185, 110, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 110, 100) }
```

Border

The CSS property to change the border of an element to XYZ 27.8838, 22.3862, 14.9079 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(185, 110, 100) }
```


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

```
.border{ border-color:rgb(185, 110, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 110, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 110, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 110, 100);  
box-shadow:4px 4px 4px 4px rgb(185, 110,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8838, 22.3862, 14.9079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 110, 100) }
```

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

```
.background{ background-color: rgb(185,  
110, 100) }
```

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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