

Converting Colors

XYZ(27.8801, 22.9298, 12.6537)

Have a look what the booklet for
XYZ(27.8801, 22.9298, 12.6537)
contains.

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Color

**XYZ(27.7582, 22.8627,
12.6228)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | B9715A |
| RGB | 185, 113, 90 |
| RGB Percent | 73%, 44%, 35% |
| CMY | 0.2745, 0.5568, 0.6471 |
| CMYK | 0.00, 0.39, 0.51, 0.27 |
| HSL | 15°, 40%, 54% |
| HSV | 15°, 51%, 73% |
| XYZ | 27.7582, 22.8627, 12.6228 |
| YIQ | 131.9060, 50.2950, 8.1110 |

Conversions

Conversions Part 2

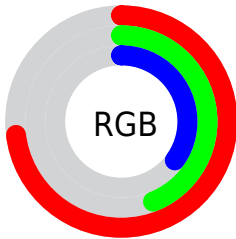
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 185, 120, 90 |
| Decimal | 12153178 |
| CIELab | 54.93, 26.00, 24.77 |
| CIElCh | 55, 35.911, 43.620 |
| Yxy | 22.8627, 0.4389, 0.3615 |
| Android (android.graphics.Color) | 4290343258 (0xFFB9715A) |
| YUV | 131.9060, -20.6597, 46.5634 |
| Hunter-Lab | 47.8150, 19.9491, 17.8183 |

Details

The XYZ color **27.7582, 22.8627, 12.6228** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.8931, 31.5158, 50.6173**, and the grayscale version is **21.9582, 23.1017, 25.1578**.

A 20% lighter version of the original color is **55.4970, 48.0368, 31.1580**, and **11.1901, 8.4378, 3.4218** is the 20% darker color. If you saturate the color by 10%, you get **25.6214, 19.6965, 8.4973**, and if you desaturate by 10%, it is **30.3337, 26.5930, 17.8618**.

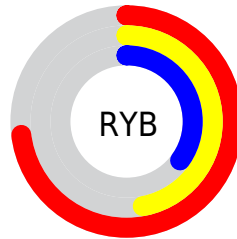
Distribution



Red (73%)

Green (44%)

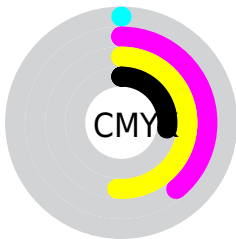
Blue (35%)



Red (73%)

Yellow (47%)

Blue (35%)

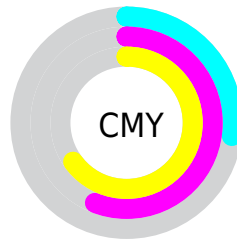


Cyan (0%)

Magenta (39%)

Yellow (51%)

Black (27%)



Cyan (27%)


Magenta (56%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7582, 22.8627, 12.6228 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 27.7582, 22.8627, 12.6228 by changing the saturation by 10% instead.


 27.7582, 22.8627,
12.6228


 27.7582, 22.8627,
12.6228

283.4108,
267.0190, 219.6081


 18.2830, 14.4922,
7.0417


 55.5095, 48.1678,
31.3056


 11.2543, 8.4638,
3.4093


 74.5163, 65.8711,
45.2444


 6.3067, 4.3931,
1.3072


 97.4310, 87.4542,
62.8061

 3.0749, 1.8958,
0.0677

 124.6190,
113.3013, 84.4094

 1.1935, 0.5459,
0.0000

 156.4456,
143.7970, 110.4727

 0.1012, 0.0000,
0.0000

193.2762,

 0.0000, 0.0000,

179.3256, 141.4145

0.0000

235.4762,
220.2714, 177.6535

■ 27.7582, 22.8627,
12.6228

■ 27.7582, 22.8627,
12.6228

■ 25.6214, 19.6965,
8.4973

■ 30.3337, 26.5930,
17.8618

■ 23.8959, 17.0627,
5.4023

■ 33.3700, 30.9098,
24.2865

■ 22.5533, 14.9321,
3.2450

■ 36.8894, 35.8387,
31.9644

■ 21.5605, 13.2704,
1.9153

■ 40.9125, 41.4026,
40.9577

■ 20.9382, 12.1756,
1.2466

■ 45.4584, 47.6232,
51.3243

■ 50.5453, 54.5213,
63.1187

■ 56.1906, 62.1166,
76.3924

■ 62.4107, 70.4281,
91.1943

■ 68.9789, 79.3769,
106.2934

Harmonies

Analogous

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



30.0539, 22.8627, 20.0784



27.7582, 22.8627, 12.6228



23.9619, 22.8627, 9.2249

Triad

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



27.7582, 22.8627, 12.6228



15.1807, 22.8627, 19.2074



23.5838, 22.8627, 52.8671

Complementary

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



27.7582, 22.8627, 12.6228



25.8931, 31.5158, 50.6173

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.



19.6417, 22.8627, 52.4168



27.7582, 22.8627, 12.6228



15.1057, 22.8627, 30.4230

Square

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



27.7582, 22.8627, 12.6228



16.8643, 22.8627, 12.1539



16.6451, 22.8627, 43.2937



27.4524, 22.8627, 44.3827

Rectangle

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



27.7582, 22.8627, 12.6228



21.2504, 22.8627, 8.7952



16.6451, 22.8627, 43.2937



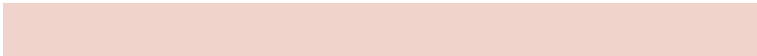
22.2174, 22.8627, 53.8194

Sweetspot

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



27.7588, 22.8639, 12.6232



70.3584, 70.1332, 66.7953



30.2598, 20.2652, 36.8889



14.8429, 14.6699, 13.6732



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.



27.7588, 22.8639, 12.6232



45.3242, 34.4272, 14.1732



34.3662, 36.0788, 14.8257



9.1765, 9.3560, 9.4291



14.3059, 8.3881, 0.8651



0.5540, 0.3950, 0.0471

Inverse Universe

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



25.8931, 31.5158, 50.6173



41.5313, 51.5515, 89.9661



19.1424, 18.0143, 48.3671



9.0775, 9.8322, 11.4988



12.4275, 15.3146, 33.5541



0.4831, 0.6299, 1.1979

Previews

White Background



This preview shows how the XYZ color 27.7582, 22.8627, 12.6228 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 27.7582, 22.8627, 12.6228 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 27.7582, 22.8627, 12.6228

Background



This preview shows how black text looks on a background with the XYZ color 27.7582, 22.8627, 12.6228.



This preview shows how white text looks on a background with the XYZ color 27.7582, 22.8627,

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

27.7582, 22.8627, 12.6228

Protanopia

21.4404, 23.0471, 14.8738

Deuteranopia

23.2817, 22.8789, 12.2058



Tritanopia

29.1730, 22.7864, 19.6903

Trichromacy



Original Color

27.7582, 22.8627, 12.6228

Protanomaly

23.3038, 22.6616, 13.9723

Deuteranomaly

24.7473, 22.7042, 12.3105

Tritanomaly

28.4795, 22.6525, 16.7813

Monochromacy



Original Color

27.7582, 22.8627, 12.6228

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.3070, 22.5309, 19.9501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7582, 22.8627, 12.6228 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, 113, 90)` looks like.

```
.text, #text, p{  
    color:rgb(185, 113, 90)  
}
```

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, 113, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 113, 90) }
```

Border

The CSS property to change the border of an element to XYZ 27.7582, 22.8627, 12.6228 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, 113, 90) }
```


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

```
.border{ border-color:rgb(185, 113, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 113, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 113, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 113, 90);  
box-shadow:4px 4px 4px 4px rgb(185, 113,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7582, 22.8627, 12.6228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 113, 90) }
```

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

```
.background{ background-color: rgb(185,  
113, 90) }
```

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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