

Converting Colors

XYZ(27.8313, 22.7997, 8.4414)

Have a look what the booklet for
XYZ(27.8313, 22.7997, 8.4414)
contains.

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Color

**XYZ(27.8238, 22.8245,
8.4079)**

Conversions

Conversions Part 1

Format	Color
Hex	BD7044
RGB	189, 112, 68
RGB Percent	74%, 44%, 27%
CMY	0.2588, 0.5608, 0.7333
CMYK	0.00, 0.41, 0.64, 0.26
HSL	22°, 48%, 50%
HSV	22°, 64%, 74%
XYZ	27.8238, 22.8245, 8.4079
YIQ	130.0070, 60.0160, 2.6400

Conversions

Conversions Part 2

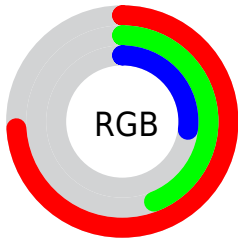
Format	Color
R_{YB}	189, 137, 68
Decimal	12415044
CIE _{Lab}	54.89, 26.43, 37.06
CIE _{LCh}	55, 45.517, 54.506
Yxy	22.8245, 0.4711, 0.3865
Android (android.graphics.Color)	4290605124 (0xFFBD7044)
YUV	130.0070, -30.5695, 51.7369
Hunter-Lab	47.7750, 20.3508, 23.0081

Details

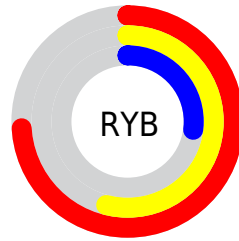
The XYZ color **27.8238, 22.8245, 8.4079** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.6939, 25.1524, 51.8553**, and the grayscale version is **21.3110, 22.4208, 24.4163**.

A 20% lighter version of the original color is **55.5533, 47.9750, 23.1617**, and **11.2824, 8.4382, 1.7932** is the 20% darker color. If you saturate the color by 10%, you get **26.0978, 20.1517, 5.4311**, and if you desaturate by 10%, it is **29.9141, 25.9286, 12.4237**.

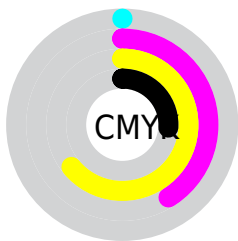
Distribution



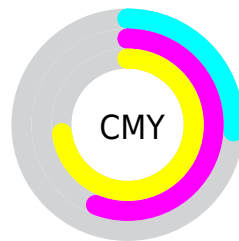
- Red (74%)
- Green (44%)
- Blue (27%)



- Red (74%)
- Yellow (54%)
- Blue (27%)



- Cyan (0%)
- Magenta (41%)
- Yellow (64%)
- Black (26%)





- Cyan (26%)
- Magenta (56%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8238, 22.8245, 8.4079 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 27.8238, 22.8245, 8.4079 by changing the saturation by 10% instead.

 27.8238, 22.8245,
8.4079


 27.8238, 22.8245,
8.4079


283.7194,
266.8223, 188.9497


 18.3327, 14.4640,
4.2656


 55.6136, 48.1050,
23.3135

 11.2902, 8.4441,
1.7721


 74.6430, 65.7938,
34.9139


 6.3311, 4.3804,
0.4095


 97.5825, 87.3607,
49.8373

 3.0900, 1.8885,
0.0000

 124.7975,
113.1903, 68.5024

 1.2015, 0.5415,
0.0000

 156.6533,
143.6668, 91.3276

 0.1076, 0.0000,
0.0000

193.5153,

 0.0000, 0.0000,

179.1747, 118.7316

0.0000

235.7489,
220.0984, 151.1328

■ 27.8238, 22.8245,
8.4079

■ 27.8238, 22.8245,
8.4079

■ 26.0978, 20.1517,
5.4311

■ 29.9141, 25.9286,
12.4237

■ 24.7089, 17.8852,
3.3917

■ 32.3897, 29.4800,
17.5646

■ 23.6277, 16.0023,
2.1693

■ 35.2720, 33.4982,
23.9088

■ 23.0980, 15.0424,
1.6861

■ 38.5798, 38.0004,
31.5274

■ 42.3311, 43.0028,
40.4856

■ 46.5425, 48.5207,
50.8444

■ 51.2296, 54.5689,
62.6608

■ 56.4076, 61.1615,
75.9888

■ 62.0907, 68.3121,
90.8795

Harmonies

Analogous

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



31.7650, 22.8245, 15.0229



27.8238, 22.8245, 8.4079



22.6355, 22.8245, 6.1938

Triad

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



27.8238, 22.8245, 8.4079



13.4041, 22.8245, 22.2873



25.9688, 22.8245, 59.6434

Complementary

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



27.8238, 22.8245, 8.4079



21.6939, 25.1524, 51.8553

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.



20.7790, 22.8245, 63.9999



27.8238, 22.8245, 8.4079



14.0143, 22.8245, 38.2389

Square

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



27.8238, 22.8245, 8.4079



14.7195, 22.8245, 11.9657



16.5379, 22.8245, 55.0039



30.5831, 22.8245, 44.7097

Rectangle

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



27.8238, 22.8245, 8.4079



19.3552, 22.8245, 6.4986



16.5379, 22.8245, 55.0039



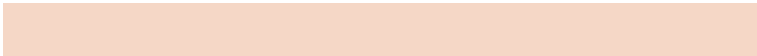
24.2140, 22.8245, 62.5872

Sweetspot

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



27.8243, 22.8257, 8.4083



72.1650, 72.1716, 63.7274



28.2924, 17.0487, 29.2596



15.1137, 14.9783, 12.7426



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.8243, 22.8257, 8.4083



45.6231, 34.2958, 7.9956



36.5641, 40.3052, 11.3216



9.8066, 10.0892, 10.0072



15.6081, 10.2549, 1.1568



0.6743, 0.5274, 0.0663

Inverse Universe

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



21.6939, 25.1524, 51.8553



33.6729, 38.5780, 91.8978



14.9091, 11.5828, 49.5937



9.5089, 10.2100, 12.1418



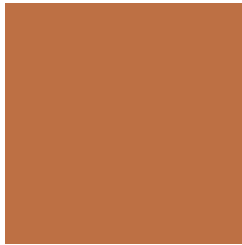
10.7954, 11.7024, 34.0827



0.4830, 0.5787, 1.3551

Previews

White Background



This preview shows how the XYZ color 27.8238, 22.8245, 8.4079 looks on a white background.

Color Contrast Check

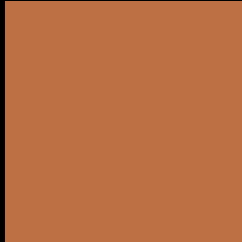
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8238, 22.8245, 8.4079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

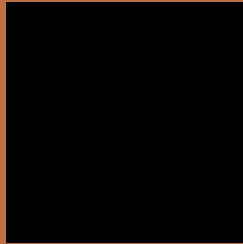
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8238, 22.8245, 8.4079

Background



This preview shows how black text looks on a background with the XYZ color 27.8238, 22.8245, 8.4079.



This preview shows how white text looks on a background with the XYZ color 27.8238, 22.8245,

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

27.8238, 22.8245, 8.4079

Protanopia

21.1983, 23.0303, 9.9846

Deuteranopia

23.3153, 22.9847, 8.2087



Tritanopia

29.9295, 22.7294, 18.7294

Trichromacy



Original Color

27.8238, 22.8245, 8.4079

Protanomaly

23.2013, 22.7122, 9.2919

Deuteranomaly

24.8340, 22.8387, 8.2537

Tritanomaly

29.0061, 22.6646, 14.1552

Monochromacy



Original Color

27.8238, 22.8245, 8.4079

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.4993, 21.8068, 16.9332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8238, 22.8245, 8.4079 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(189, 112, 68)` looks like.

```
.text, #text, p{  
    color:rgb(189, 112, 68)  
}
```

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(189, 112, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 112, 68) }
```

Border

The CSS property to change the border of an element to XYZ 27.8238, 22.8245, 8.4079 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(189, 112, 68) }
```


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

```
.border{ border-color:rgb(189, 112, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 112, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 112, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 112, 68);  
box-shadow:4px 4px 4px 4px rgb(189, 112,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8238, 22.8245, 8.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 112, 68) }
```

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

```
.background{ background-color: rgb(189,  
112, 68) }
```

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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