

Converting Colors

XYZ(30.3228, 27.6701, 22.4816)

Have a look what the booklet for
XYZ(30.3228, 27.6701, 22.4816)
contains.

XYZ(30.3228, 27.6701, 22.4816)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.3228, 27.6701,
22.4816)**

Conversions

Conversions Part 1

Format	Color
Hex	B2857B
RGB	178, 133, 123
RGB Percent	70%, 52%, 48%
CMY	0.3020, 0.4784, 0.5176
CMYK	0.00, 0.25, 0.31, 0.30
HSL	11°, 26%, 59%
HSV	11°, 31%, 70%
XYZ	30.3228, 27.6701, 22.4816
YIQ	145.3150, 30.0300, 6.4300

Conversions

Conversions Part 2

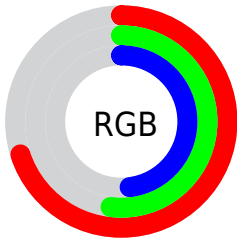
Format	Color
RYB	178, 135, 123
Decimal	11699579
CIELab	59.59, 15.83, 12.12
CIELCh	60, 19.937, 37.429
Yxy	27.6701, 0.3768, 0.3438
Android (android.graphics.Color)	4289889659 (0xFFB2857B)
YUV	145.3150, -11.0013, 28.6647
Hunter-Lab	52.6024, 10.8427, 11.4819

Details

The XYZ color **30.3228, 27.6701, 22.4816** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **30.2065, 35.4295, 47.3661**, and the grayscale version is **27.0772, 28.4873, 31.0227**.

A 20% lighter version of the original color is **59.5577, 55.8751, 48.2034**, and **12.6415, 10.9660, 7.9289** is the 20% darker color. If you saturate the color by 10%, you get **27.4509, 23.5503, 16.5177**, and if you desaturate by 10%, it is **33.6752, 32.4264, 29.6059**.

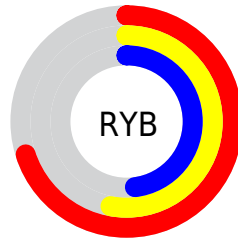
Distribution



Red (70%)

Green (52%)

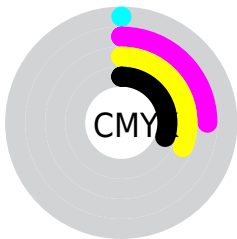
Blue (48%)



Red (70%)

Yellow (53%)

Blue (48%)

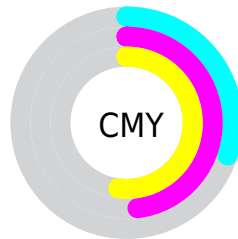


Cyan (0%)

Magenta (25%)

Yellow (31%)

Black (30%)



Cyan (30%)


Magenta (48%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3228, 27.6701, 22.4816 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 30.3228, 27.6701, 22.4816 by changing the saturation by 10% instead.


 30.3228, 27.6701,
22.4816


 30.3228, 27.6701,
22.4816


295.2891,
290.8872, 278.0862


 20.2330, 18.0771,
14.0095

 59.5554, 55.9573,
48.4531

 12.6738, 11.0054,
7.9885

 79.4290, 75.4203,
66.7895

 7.2797, 6.0705,
3.9999

 103.2945, 98.9422,
89.2511

 3.6855, 2.8880,
1.6253

131.5174,
126.9072, 116.2565

 1.5258, 1.0735,
0.3088

164.4629,
159.6998, 148.2242

 0.3433, 0.0000,
0.0000

202.4964,

 0.0000, 0.0000,

197.7044, 185.5726

0.0000

245.9834,
241.3054, 228.7205

■ 30.3228, 27.6701,
22.4816

■ 30.3228, 27.6701,
22.4816

■ 27.4509, 23.5503,
16.5177

■ 33.6752, 32.4264,
29.6059

■ 25.0351, 20.0361,
11.6508

■ 37.5268, 37.8407,
37.9459

■ 23.0519, 17.0998,
7.8142


■ 41.8978, 43.9383,
47.5554


■ 21.4750, 14.7101,
4.9328


■ 46.8068, 50.7418,
58.4847


■ 20.2748, 12.8324,
2.9217


■ 52.2713, 58.2731,
70.7810


 19.4178, 11.4282,
1.6806

 58.3081, 66.5529,
84.4895

 18.8868, 10.5184,
1.0348

 64.9334, 75.6011,
99.6531

 70.4420, 84.7487,
107.2532

 72.1702, 88.2050,
107.8292

Harmonies

Analogous

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



31.3833, 27.6701, 28.3755



30.3228, 27.6701, 22.4816



28.1966, 27.6701, 19.0790

Triad

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



30.3228, 27.6701, 22.4816



22.0887, 27.6701, 25.1264



26.9288, 27.6701, 46.0237

Complementary

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



30.3228, 27.6701, 22.4816



30.2065, 35.4295, 47.3661

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.



24.4897, 27.6701, 44.7842



30.3228, 27.6701, 22.4816



21.7968, 27.6701, 31.9513

Square

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



30.3228, 27.6701, 22.4816



23.4731, 27.6701, 20.4279



22.6490, 27.6701, 39.3371



29.3444, 27.6701, 42.4959

Rectangle

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



30.3228, 27.6701, 22.4816



26.5168, 27.6701, 18.3186



22.6490, 27.6701, 39.3371



26.0836, 27.6701, 46.1593

Sweetspot

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



30.3235, 27.6714, 22.4822



69.3649, 70.4582, 71.6807



32.5891, 26.4895, 40.8497



15.1264, 15.2723, 15.3533



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.3235, 27.6714, 22.4822



51.3846, 45.0184, 33.2535



34.4486, 35.9215, 23.8572



8.6173, 8.7470, 8.8867



13.5481, 7.5947, 0.7519



0.4637, 0.3138, 0.0361

Inverse Universe

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



30.2065, 35.4295, 47.3661



51.1279, 61.2919, 85.5170



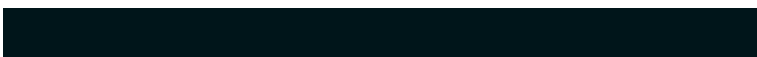
25.7787, 26.5739, 45.8902



8.6086, 9.3634, 10.8599



13.1052, 17.0107, 32.7297



0.4465, 0.6036, 1.0412

Previews

White Background



This preview shows how the XYZ color 30.3228, 27.6701, 22.4816 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 30.3228, 27.6701, 22.4816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

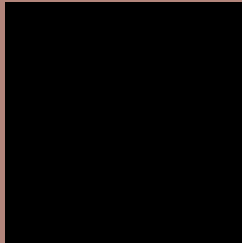
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3228, 27.6701, 22.4816

Background



This preview shows how black text looks on a background with the XYZ color 30.3228, 27.6701, 22.4816.



This preview shows how white text looks on a background with the XYZ color 30.3228, 27.6701,

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

30.3228, 27.6701, 22.4816

Protanopia

26.2964, 27.6875, 24.3803

Deuteranopia

28.1184, 27.5814, 22.2541



Tritanopia

31.5386, 27.5620, 28.4687

Trichromacy



Original Color

30.3228, 27.6701, 22.4816

Protanomaly

27.4957, 27.4452, 23.5869

Deuteranomaly

28.8946, 27.5595, 22.2090

Tritanomaly

31.0098, 27.5375, 26.2351

Monochromacy



Original Color

30.3228, 27.6701, 22.4816

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.9449, 28.0240, 27.6032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3228, 27.6701, 22.4816 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(178, 133, 123)` looks like.

```
.text, #text, p{  
    color:rgb(178, 133, 123)  
}
```

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(178, 133, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 133, 123) }
```

Border

The CSS property to change the border of an element to XYZ 30.3228, 27.6701, 22.4816 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(178, 133, 123) }
```


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

```
.border{ border-color:rgb(178, 133, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 133, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 133, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 133, 123);  
box-shadow:4px 4px 4px 4px rgb(178, 133,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3228, 27.6701, 22.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 133, 123) }
```

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

```
.background{ background-color: rgb(178,  
133, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor