

Converting Colors

XYZ(29.6776, 29.0259, 22.7773)

Have a look what the booklet for
XYZ(29.6776, 29.0259, 22.7773)
contains.

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Color

**XYZ(29.6776, 29.0259,
22.7773)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8D7B
RGB	170, 141, 123
RGB Percent	67%, 55%, 48%
CMY	0.3333, 0.4470, 0.5176
CMYK	0.00, 0.17, 0.28, 0.33
HSL	23°, 22%, 57%
HSV	23°, 28%, 67%
XYZ	29.6776, 29.0259, 22.7773
YIQ	147.6190, 23.0620, 0.5500

Conversions

Conversions Part 2

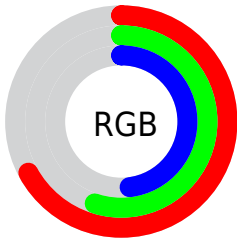
Format	Color
R_{YB}	170, 152, 123
Decimal	11177339
CIE Lab	60.80, 8.15, 13.70
CIE LCh	61, 15.940, 59.230
Yxy	29.0259, 0.3642, 0.3562
Android (android.graphics.Color)	4289367419 (0xFFAA8D7B)
YUV	147.6190, -12.1372, 19.6281
Hunter-Lab	53.8757, 4.0449, 12.6466

Details

The XYZ color **29.6776, 29.0259, 22.7773** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **26.6520, 29.5688, 42.3329**, and the grayscale version is **28.0325, 29.4924, 32.1172**.

A 20% lighter version of the original color is **58.6170, 58.2941, 48.7199**, and **12.3132, 11.7585, 8.0992** is the 20% darker color. If you saturate the color by 10%, you get **27.2307, 25.6897, 17.1594**, and if you desaturate by 10%, it is **32.4574, 32.7316, 29.4186**.

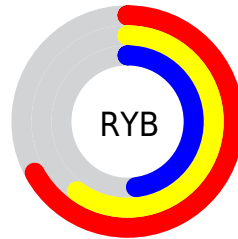
Distribution



Red (67%)

Green (55%)

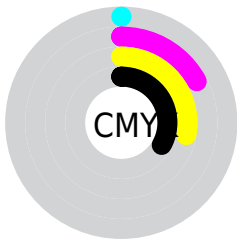
Blue (48%)



Red (67%)

Yellow (60%)

Blue (48%)

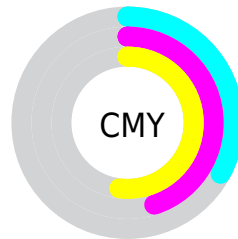


Cyan (0%)

Magenta (17%)

Yellow (28%)

Black (33%)



Cyan (33%)


Magenta (45%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6776, 29.0259, 22.7773 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 29.6776, 29.0259, 22.7773 by changing the saturation by 10% instead.


 29.6776, 29.0259,
22.7773


 29.6776, 29.0259,
22.7773


292.3356,
297.3371, 279.6638


 19.7409, 19.1004,
14.2254


 58.5421, 58.1182,
48.9459

 12.3140, 11.7429,
8.1371


 78.2005, 78.0539,
67.3998

 7.0316, 6.5688,
4.0937


 101.8303,
102.0950, 89.9913

 3.5284, 3.1939,
1.6769

129.7966,
130.6261, 117.1391

 1.4390, 1.2338,
0.3448

162.4650,
164.0314, 149.2618

 0.2837, 0.0891,
0.0000

200.2007,

 0.0000, 0.0000,

202.6954, 186.7777

0.0000

243.3692,
247.0025, 230.1056

■ 29.6776, 29.0259,
22.7773

■ 29.6776, 29.0259,
22.7773

■ 27.2307, 25.6897,
17.1594

■ 32.4574, 32.7316,
29.4186

■ 25.1007, 22.7071,
12.5114

■ 35.5804, 36.8142,
37.1294

■ 23.2738, 20.0669,
8.7777

■ 39.0596, 41.2859,
45.9554

■ 21.7340, 17.7555,
5.8962

■ 42.9063, 46.1568,
55.9387

■ 20.4637, 15.7585,
3.7970

■ 47.1314, 51.4370,
67.1196

■ 19.4428, 14.0598,
2.3986

■ 51.7453, 57.1362,
79.5362

■ 18.6418, 12.6394,
1.5720

■ 56.7580, 63.2634,
93.2250

■ 18.4748, 12.3404,
1.4082

■ 61.5282, 69.5672,
104.7927

■ 64.4497, 75.4102,
105.7665

Harmonies

Analogous

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



31.2140, 29.0259, 26.3524



29.6776, 29.0259, 22.7773



27.6418, 29.0259, 21.5109

Triad

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



29.6776, 29.0259, 22.7773



23.7923, 29.0259, 31.4511



29.5803, 29.0259, 42.6467

Complementary

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



29.6776, 29.0259, 22.7773



26.6520, 29.5688, 42.3329

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.



27.5347, 29.0259, 44.4447



29.6776, 29.0259, 22.7773



24.2547, 29.0259, 37.5114

Square

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



29.6776, 29.0259, 22.7773



24.3039, 29.0259, 26.1177



25.5993, 29.0259, 42.4597



31.1559, 29.0259, 37.8100

Rectangle

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



29.6776, 29.0259, 22.7773



26.2964, 29.0259, 22.0066



25.5993, 29.0259, 42.4597



28.9217, 29.0259, 43.6515

Sweetspot

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



29.6784, 29.0272, 22.7779



64.2592, 66.4096, 66.6224



29.3913, 25.0045, 33.3136



14.1355, 14.5569, 14.3715



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.6784, 29.0272, 22.7779



51.1340, 48.9837, 35.0428



33.3807, 36.4318, 24.0120



7.7579, 7.9958, 7.9237



13.6407, 9.1787, 1.0527



0.3815, 0.3226, 0.0422

Inverse Universe

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



26.6520, 29.5688, 42.3329



44.7421, 50.1190, 76.3176



23.3098, 22.8845, 41.2189



7.5026, 8.0421, 9.5752



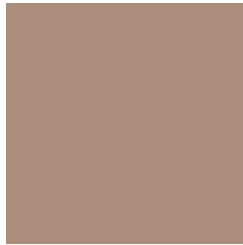
9.0995, 9.6592, 29.3603



0.2685, 0.3293, 0.7301

Previews

White Background



This preview shows how the XYZ color 29.6776, 29.0259, 22.7773 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 29.6776, 29.0259, 22.7773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

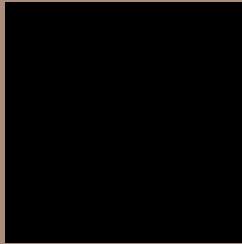
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6776, 29.0259, 22.7773

Background



This preview shows how black text looks on a background with the XYZ color 29.6776, 29.0259, 22.7773.



This preview shows how white text looks on a background with the XYZ color 29.6776, 29.0259,

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

29.6776, 29.0259, 22.7773

Protanopia

27.3712, 28.9342, 23.8809

Deuteranopia

29.4622, 28.9148, 22.7672



Tritanopia

31.5245, 28.9137, 31.9363

Trichromacy



Original Color

29.6776, 29.0259, 22.7773

Protanomaly

28.1721, 28.9008, 23.4956

Deuteranomaly

29.4622, 28.9148, 22.7672

Tritanomaly

30.7619, 28.8117, 28.3660

Monochromacy



Original Color

29.6776, 29.0259, 22.7773

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.4959, 29.1828, 28.5570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6776, 29.0259, 22.7773 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(170, 141, 123)` looks like.

```
.text, #text, p{  
    color:rgb(170, 141, 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(170, 141, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 141, 123) }
```

Border

The CSS property to change the border of an element to XYZ 29.6776, 29.0259, 22.7773 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(170, 141, 123) }
```


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

```
.border{ border-color:rgb(170, 141, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 141, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 141, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 141, 123);  
box-shadow:4px 4px 4px 4px rgb(170, 141,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6776, 29.0259, 22.7773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 141, 123) }
```

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

```
.background{ background-color: rgb(170,  
141, 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](#).

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