

Converting Colors

XYZ(28.6368, 24.8382, 20.6589)

Have a look what the booklet for
XYZ(28.6368, 24.8382, 20.6589)
contains.

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Color

**XYZ(28.7728, 24.9628,
20.7546)**

Conversions

Conversions Part 1

Format	Color
Hex	B27B77
RGB	178, 123, 119
RGB Percent	70%, 48%, 47%
CMY	0.3020, 0.5176, 0.5333
CMYK	0.00, 0.31, 0.33, 0.30
HSL	4°, 28%, 58%
HSV	4°, 33%, 70%
XYZ	28.7728, 24.9628, 20.7546
YIQ	138.9890, 34.0640, 10.4160

Conversions

Conversions Part 2

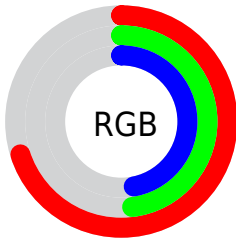
Format	Color
R_{YB}	178, 123, 119
Decimal	11697015
CIE _{Lab}	57.04, 20.90, 10.83
CIE _{LCh}	57, 23.540, 27.386
Yxy	24.9628, 0.3863, 0.3351
Android (android.graphics.Color)	4289887095 (0xFFB27B77)
YUV	138.9890, -9.8546, 34.2126
Hunter-Lab	49.9628, 15.3605, 10.3448

Details

The XYZ color **28.7728, 24.9628, 20.7546** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.7791, 37.4070, 47.7175**, and the grayscale version is **24.5645, 25.8438, 28.1438**.

A 20% lighter version of the original color is **57.1370, 51.6531, 45.4867**, and **11.8983, 9.6376, 7.1944** is the 20% darker color. If you saturate the color by 10%, you get **25.9156, 20.8018, 15.0129**, and if you desaturate by 10%, it is **32.1804, 29.9040, 27.6681**.

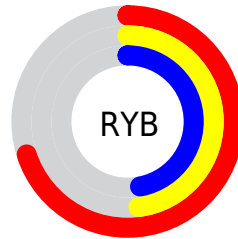
Distribution



Red (70%)

Green (48%)

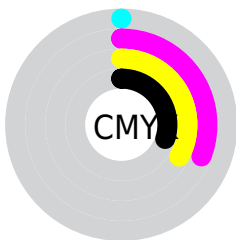
Blue (47%)



Red (70%)

Yellow (48%)

Blue (47%)

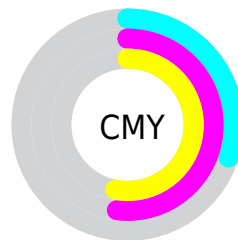


Cyan (0%)

Magenta (31%)

Yellow (33%)

Black (30%)



Cyan (30%)


Magenta (52%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7728, 24.9628, 20.7546 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 28.7728, 24.9628, 20.7546 by changing the saturation by 10% instead.

 28.7728, 24.9628,
20.7546


 28.7728, 24.9628,
20.7546

288.1550,
277.6526, 268.7095


 19.0524, 16.0493,
12.7552


 57.1160, 51.5969,
45.5542

 11.8124, 9.5591,
7.1315


 76.4695, 70.0863,
63.1916

 6.6874, 5.1076,
3.4648


 99.7648, 92.5364,
84.8787

 3.3119, 2.3105,
1.3366

127.3672,
119.3318, 111.0341

 1.3208, 0.7793,
0.0915

159.6420,
150.8567, 142.0764

 0.1987, 0.0000,
0.0000

196.9547,

 0.0000, 0.0000,

187.4955, 178.4240

0.0000

239.6706,
229.6327, 220.4955

■ 28.7728, 24.9628,
20.7546

■ 28.7728, 24.9628,
20.7546

■ 25.9156, 20.8018,
15.0129

■ 32.1804, 29.9040,
27.6681

■ 23.5780, 17.3778,
10.3766

■ 36.1632, 35.6585,
35.8117

■ 21.7293, 14.6488,
6.7750


■ 40.7467, 42.2622,
45.2418


■ 20.3347, 12.5672,
4.1288

■ 45.9543, 49.7474,
56.0106


■ 19.3547, 11.0793,
2.3468


■ 51.8083, 58.1449,
68.1677

 18.7431, 10.1229,
1.3204

 58.3298, 67.4841,
81.7598

 18.4925, 9.7298,
0.9034

 65.5389, 77.7929,
96.8319

 72.1701, 88.2050,
107.8292

Harmonies

Analogous

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



29.4500, 24.9628, 27.8813



28.7728, 24.9628, 20.7546



26.7121, 24.9628, 16.2567

Triad

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



28.7728, 24.9628, 20.7546



19.5198, 24.9628, 19.7649



23.4845, 24.9628, 45.4270

Complementary

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



28.7728, 24.9628, 20.7546



30.7791, 37.4070, 47.7175

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.



20.9719, 24.9628, 42.1468



28.7728, 24.9628, 20.7546



18.7970, 24.9628, 26.4910

Square

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



28.7728, 24.9628, 20.7546



21.3615, 24.9628, 15.7682



19.3075, 24.9628, 34.8116



26.2597, 24.9628, 43.0850

Rectangle

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



28.7728, 24.9628, 20.7546



24.9077, 24.9628, 14.8542



19.3075, 24.9628, 34.8116



22.5830, 24.9628, 44.9330

Sweetspot

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



28.7735, 24.9640, 20.7551



67.9347, 68.0607, 69.7775



32.6035, 25.7175, 43.3241



14.8043, 14.7232, 14.9526



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.



28.7735, 24.9640, 20.7551



48.1784, 39.4478, 29.5892



32.9887, 33.3944, 22.1602



8.5411, 8.5948, 8.8613



13.2496, 6.9977, 0.6524



0.4321, 0.2507, 0.0256

Inverse Universe

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



30.7791, 37.4070, 47.7175



52.3873, 65.5953, 86.2812



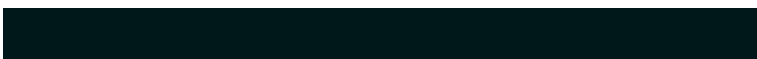
25.7032, 27.2551, 46.0255



8.6923, 9.5308, 10.8878



15.5149, 21.8301, 33.5329



0.5028, 0.7162, 1.0600

Previews

White Background



This preview shows how the XYZ color 28.7728, 24.9628, 20.7546 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 28.7728, 24.9628, 20.7546 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 28.7728, 24.9628, 20.7546

Background



This preview shows how black text looks on a background with the XYZ color 28.7728, 24.9628, 20.7546.



This preview shows how white text looks on a background with the XYZ color 28.7728, 24.9628,

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

28.7728, 24.9628, 20.7546

Protanopia

23.8669, 25.1485, 23.3349

Deuteranopia

25.5627, 25.0560, 20.3186



Tritanopia

29.4570, 24.8702, 24.3670

Trichromacy



Original Color

28.7728, 24.9628, 20.7546

Protanomaly

25.3440, 24.9012, 22.2095

Deuteranomaly

26.6373, 25.0079, 20.5626

Tritanomaly

29.3158, 25.0091, 23.0208

Monochromacy



Original Color

28.7728, 24.9628, 20.7546

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.6893, 25.2133, 25.3425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7728, 24.9628, 20.7546 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, 123, 119)` looks like.

```
.text, #text, p{  
    color:rgb(178, 123, 119)  
}
```

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, 123, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 123, 119) }
```

Border

The CSS property to change the border of an element to XYZ 28.7728, 24.9628, 20.7546 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, 123, 119) }
```


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

```
.border{ border-color:rgb(178, 123, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 123, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 123, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 123, 119);  
box-shadow:4px 4px 4px 4px rgb(178, 123,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7728, 24.9628, 20.7546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 123, 119) }
```

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

```
.background{ background-color: rgb(178,  
123, 119) }
```

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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