

Converting Colors

XYZ(30.7900, 29.8951, 27.5497)

Have a look what the booklet for
XYZ(30.7900, 29.8951, 27.5497)
contains.

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Color

**XYZ(30.8440, 29.9685,
27.4514)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8F88
RGB	170, 143, 136
RGB Percent	67%, 56%, 53%
CMY	0.3333, 0.4392, 0.4667
CMYK	0.00, 0.16, 0.20, 0.33
HSL	12°, 17%, 60%
HSV	12°, 20%, 67%
XYZ	30.8440, 29.9685, 27.4514
YIQ	150.2750, 18.3390, 3.5470

Conversions

Conversions Part 2

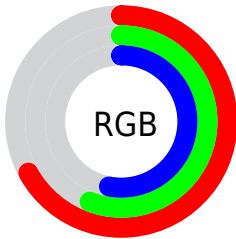
Format	Color
R_{YB}	170, 145, 136
Decimal	11177864
CIE _{Lab}	61.63, 9.00, 7.49
CIE _{LCh}	62, 11.708, 39.790
Yxy	29.9685, 0.3495, 0.3395
Android (android.graphics.Color)	4289367944 (0xFFAA8F88)
YUV	150.2750, -7.0376, 17.2988
Hunter-Lab	54.7435, 4.7707, 8.5892

Details

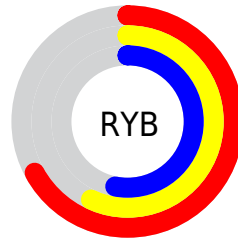
The XYZ color **30.8440, 29.9685, 27.4514** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **30.5061, 34.3303, 43.0492**, and the grayscale version is **29.1304, 30.6474, 33.3750**.

A 20% lighter version of the original color is **60.5156, 59.7754, 56.4924**, and **12.9302, 12.2825, 10.4934** is the 20% darker color. If you saturate the color by 10%, you get **27.8246, 25.7121, 20.9495**, and if you desaturate by 10%, it is **34.3006, 34.7920, 35.0452**.

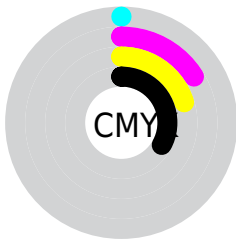
Distribution



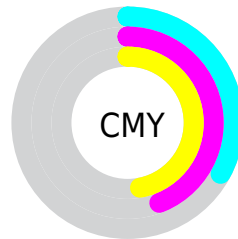
- Red (67%)
- Green (56%)
- Blue (53%)



- Red (67%)
- Yellow (57%)
- Blue (53%)



- Cyan (0%)
- Magenta (16%)
- Yellow (20%)
- Black (33%)



- Cyan (33%)
- Magenta (44%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8440, 29.9685, 27.4514 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 30.8440, 29.9685, 27.4514 by changing the saturation by 10% instead.

■ 30.8440, 29.9685,
27.4514

■ 30.8440, 29.9685,
27.4514

297.6587,
301.7576, 303.6652

■ 20.6313, 19.8147,
17.6771

■ 60.3719, 59.6124,
56.6199

■ 12.9657, 12.2604,
10.5514

■ 80.4178, 79.8712,
76.8512

■ 7.4818, 6.9213,
5.6557

■ 104.4722,
104.2671, 101.4052

■ 3.8142, 3.4129,
2.5715

132.9005,
133.1846, 130.7004

■ 1.5975, 1.3509,
0.8777

166.0679,
167.0080, 165.1555

■ 0.3908, 0.1801,
0.0000

204.3398,

■ 0.0000, 0.0000,

206.1217, 205.1890

0.0000

248.0816,
250.9101, 251.2194

■ 30.8440, 29.9685,
27.4514

■ 30.8440, 29.9685,
27.4514

■ 27.8246, 25.7121,
20.9495

■ 34.3006, 34.7920,
35.0452

■ 25.2222, 21.9978,
15.4873

■ 38.2085, 40.1984,
43.7761

■ 23.0189, 18.8050,
11.0110

■ 42.5843, 46.2076,
53.6890

■ 21.1943, 16.1098,
7.4614

■ 47.4429, 52.8376,
64.8258

■ 19.7262, 13.8869,
4.7728

■ 52.7986, 60.1057,
77.2265

■ 18.5898, 12.1082,
2.8707

■ 58.6651, 68.0282,
90.9289

■ 17.7570, 10.7428,
1.6680

■ 65.0552, 76.6211,
105.9683

■ 17.1792, 9.7491,
0.9763

■ 69.1227, 84.7560,
107.3241

■ 17.1792, 9.7491,
0.9763

■ 70.3877, 87.2861,
107.7458

Harmonies

Analogous

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



31.5334, 29.9685, 31.1960



30.8440, 29.9685, 27.4514



29.5296, 29.9685, 25.2362

Triad

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



30.8440, 29.9685, 27.4514



25.7693, 29.9685, 29.7609



28.9956, 29.9685, 41.8174

Complementary

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



30.8440, 29.9685, 27.4514



30.5061, 34.3303, 43.0492

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.



27.4637, 29.9685, 41.3444



30.8440, 29.9685, 27.4514



25.6381, 29.9685, 34.1085

Square

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



30.8440, 29.9685, 27.4514



26.6131, 29.9685, 26.4831



26.2479, 29.9685, 38.4234



30.4409, 29.9685, 39.6627

Rectangle

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



30.8440, 29.9685, 27.4514



28.4951, 29.9685, 24.7947



26.2479, 29.9685, 38.4234



28.4732, 29.9685, 41.9647

Sweetspot

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



30.8448, 29.9699, 27.4520



64.8939, 66.8147, 69.4990



32.0109, 28.8063, 38.6178



14.3742, 14.7650, 15.2814



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.



30.8448, 29.9699, 27.4520



53.4379, 50.8259, 44.3364



33.5581, 35.3964, 28.3564



7.6517, 7.7834, 7.8883



12.6707, 7.2387, 0.7294



0.3423, 0.2442, 0.0291

Inverse Universe

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



30.5061, 34.3303, 43.0492



52.7078, 60.1880, 77.8413



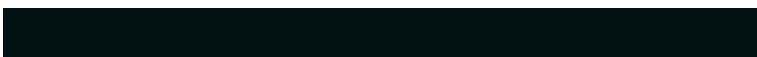
27.7192, 28.7564, 42.1202



7.6144, 8.2658, 9.6125



11.7497, 14.9597, 30.2437



0.3181, 0.4284, 0.7466

Previews

White Background



This preview shows how the XYZ color 30.8440, 29.9685, 27.4514 looks on a white background.

Color Contrast Check

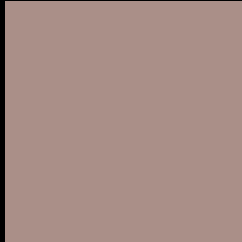
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8440, 29.9685, 27.4514 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 30.8440, 29.9685, 27.4514

Background



This preview shows how black text looks on a background with the XYZ color 30.8440, 29.9685, 27.4514.



This preview shows how white text looks on a background with the XYZ color 30.8440, 29.9685,

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

30.8440, 29.9685, 27.4514

Protanopia

28.5765, 29.9139, 28.6939

Deuteranopia

30.5656, 30.0489, 27.4816



Tritanopia

32.2056, 30.0874, 33.8158

Trichromacy



Original Color

30.8440, 29.9685, 27.4514

Protanomaly

29.3635, 29.8663, 28.2619

Deuteranomaly

30.7794, 30.1591, 27.4916

Tritanomaly

31.6559, 30.0793, 31.3316

Monochromacy



Original Color

30.8440, 29.9685, 27.4514

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.4492, 30.0799, 31.0419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8440, 29.9685, 27.4514 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, 143, 136)` looks like.

```
.text, #text, p{  
    color:rgb(170, 143, 136)  
}
```

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, 143, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 143, 136) }
```

Border

The CSS property to change the border of an element to XYZ 30.8440, 29.9685, 27.4514 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, 143, 136) }
```


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

```
.border{ border-color:rgb(170, 143, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 143, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 143, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 143, 136);  
box-shadow:4px 4px 4px 4px rgb(170, 143,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8440, 29.9685, 27.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 143, 136) }
```

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

```
.background{ background-color: rgb(170,  
143, 136) }
```

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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