

Converting Colors

XYZ(28.4435, 30.9818, 19.8113)

Have a look what the booklet for
XYZ(28.4435, 30.9818, 19.8113)
contains.

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Color

**XYZ(28.4509, 30.9973,
19.8128)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9870
RGB	159, 152, 112
RGB Percent	62%, 60%, 44%
CMY	0.3765, 0.4039, 0.5608
CMYK	0.00, 0.04, 0.30, 0.38
HSL	51°, 20%, 53%
HSV	51°, 30%, 62%
XYZ	28.4509, 30.9973, 19.8128
YIQ	149.5330, 17.0120, -10.9560

Conversions

Conversions Part 2

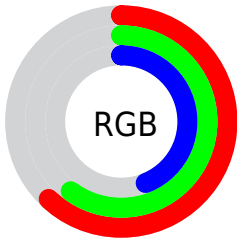
Format	Color
RYB	120, 159, 112
Decimal	10459248
CIELab	62.51, -3.92, 22.02
CIELCh	63, 22.366, 100.084
Yxy	30.9973, 0.3590, 0.3911
Android (android.graphics.Color)	4288649328 (0xFF9F9870)
YUV	149.5330, -18.5038, 8.3026
Hunter-Lab	55.6752, -6.2154, 17.8735

Details

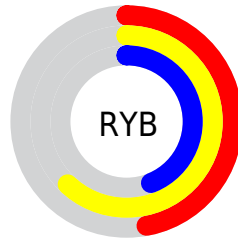
The XYZ color **28.4509, 30.9973, 19.8128** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.5367, 19.1409, 35.4656**, and the grayscale version is **28.8631, 30.3662, 33.0688**.

A 20% lighter version of the original color is **56.5037, 61.1191, 43.9411**, and **11.6425, 12.8033, 6.7082** is the 20% darker color. If you saturate the color by 10%, you get **27.2627, 29.9146, 15.4280**, and if you desaturate by 10%, it is **29.8048, 32.1607, 25.0248**.

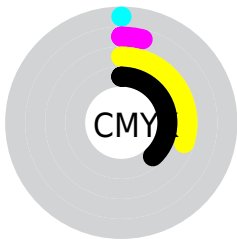
Distribution



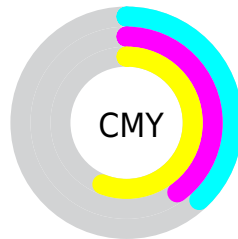
- Red (62%)
- Green (60%)
- Blue (44%)



- Red (47%)
- Yellow (62%)
- Blue (44%)



- Cyan (0%)
- Magenta (4%)
- Yellow (30%)
- Black (38%)



- Cyan (38%)
- Magenta (40%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4509, 30.9973, 19.8128 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 28.4509, 30.9973, 19.8128 by changing the saturation by 10% instead.

■ 28.4509, 30.9973,
19.8128

■ 28.4509, 30.9973,
19.8128

286.6564,
306.5259, 263.4705

■ 18.8080, 20.5968,
12.0763

■ 56.6071, 61.2358,
43.9579

■ 11.6348, 12.8296,
6.6725

■ 75.8512, 81.8426,
61.2037

■ 6.5660, 7.3113,
3.1828

■ 99.0264, 106.6203,
82.4563

■ 3.2361, 3.6575,
1.1887

■ 126.4981,
135.9533, 108.1342

■ 1.2798, 1.4839,
0.0000

158.6315,
170.2259, 138.6561

■ 0.1680, 0.2774,
0.0000

195.7922,

■ 0.0000, 0.0000,

209.8227, 174.4404

0.0000

238.3454,
255.1278, 215.9057

■ 28.4509, 30.9973,
19.8128

■ 28.4509, 30.9973,
19.8128

■ 27.2627, 29.9146,
15.4280

■ 29.8048, 32.1607,
25.0248

■ 26.2294, 28.9050,
11.8253

■ 31.3295, 33.4037,
31.1024

■ 25.3429, 27.9662,
8.9579

■ 33.0331, 34.7306,
38.0836

■ 24.5931, 27.0942,
6.7735

■ 34.9224, 36.1443,
46.0037

■ 23.9688, 26.2843,
5.2126

■ 37.0036, 37.6473,
54.8963

■ 23.4566, 25.5312,
4.2058

■ 39.2830, 39.2422,
64.7931

■ 23.0271, 24.8230,
3.5978

■ 41.7662, 40.9312,
75.7244

■ 23.0087, 24.7922,
3.5727

■ 44.4588, 42.7168,
87.7193

■ 47.3499, 44.5946,
100.7198

Harmonies

Analogous

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



31.4972, 30.9973, 20.3377



28.4509, 30.9973, 19.8128



25.8581, 30.9973, 22.5001

Triad

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



28.4509, 30.9973, 19.8128



25.2145, 30.9973, 45.7110



35.3030, 30.9973, 39.7769

Complementary

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



28.4509, 30.9973, 19.8128



19.5367, 19.1409, 35.4656

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.



33.3861, 30.9973, 48.2382



28.4509, 30.9973, 19.8128



27.5165, 30.9973, 52.0516

Square

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



28.4509, 30.9973, 19.8128



24.0764, 30.9973, 36.7659



30.4968, 30.9973, 53.0486



35.5962, 30.9973, 30.9052

Rectangle

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



28.4509, 30.9973, 19.8128



24.6830, 30.9973, 26.0753



30.4968, 30.9973, 53.0486



34.8212, 30.9973, 42.8016

Sweetspot

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



28.4517, 30.9987, 19.8134



56.2208, 59.9125, 56.1557



23.4252, 20.2927, 20.1511



12.5851, 13.4356, 12.2975



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



28.4517, 30.9987, 19.8134



49.6202, 54.3142, 30.5170



26.5728, 31.7657, 20.0605



7.0860, 7.5520, 7.0699



18.1969, 19.6295, 2.8298



0.3461, 0.3925, 0.0575

Inverse Universe

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



19.5367, 19.1409, 35.4656



31.2082, 29.8287, 62.8561



21.0224, 18.7161, 35.3053



6.3605, 6.5867, 8.3428



5.2156, 2.5228, 26.1193



0.1131, 0.0848, 0.4736

Previews

White Background



This preview shows how the XYZ color 28.4509, 30.9973, 19.8128 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 28.4509, 30.9973, 19.8128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

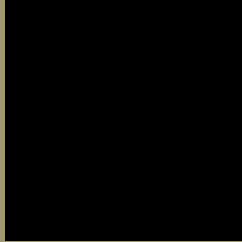
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.4509, 30.9973, 19.8128

Background



This preview shows how black text looks on a background with the XYZ color 28.4509, 30.9973, 19.8128.



This preview shows how white text looks on a background with the XYZ color 28.4509, 30.9973,

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

28.4509, 30.9973, 19.8128

Protanopia

28.8915, 30.9845, 19.7871

Deuteranopia

31.4661, 30.9080, 19.9302



Tritanopia

31.6745, 30.8846, 36.1902

Trichromacy



Original Color

28.4509, 30.9973, 19.8128

Protanomaly

28.6892, 30.8801, 19.7776

Deuteranomaly

30.3651, 31.0300, 20.0118

Tritanomaly

30.2979, 30.7843, 29.5444

Monochromacy



Original Color

28.4509, 30.9973, 19.8128

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.6474, 30.6831, 27.7051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4509, 30.9973, 19.8128 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(159, 152, 112)` looks like.

```
.text, #text, p{  
    color:rgb(159, 152, 112)  
}
```

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(159, 152, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 152, 112) }
```

Border

The CSS property to change the border of an element to XYZ 28.4509, 30.9973, 19.8128 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(159, 152, 112) }
```


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

```
.border{ border-color:rgb(159, 152, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 152, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 152, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 152, 112);  
box-shadow:4px 4px 4px 4px rgb(159, 152,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4509, 30.9973, 19.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 152, 112) }
```

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

```
.background{ background-color: rgb(159,  
152, 112) }
```

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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