

Converting Colors

XYZ(27.9525, 28.7093, 19.2707)

Have a look what the booklet for
XYZ(27.9525, 28.7093, 19.2707)
contains.

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Color

**XYZ(27.8513, 28.6013,
19.3819)**

Conversions

Conversions Part 1

Format	Color
Hex	A38F70
RGB	163, 143, 112
RGB Percent	64%, 56%, 44%
CMY	0.3608, 0.4392, 0.5608
CMYK	0.00, 0.12, 0.31, 0.36
HSL	36°, 22%, 54%
HSV	36°, 31%, 64%
XYZ	27.8513, 28.6013, 19.3819
YIQ	145.4460, 21.8710, -5.4010

Conversions

Conversions Part 2

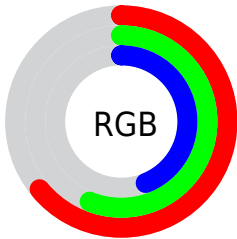
Format	Color
R_{YB}	145, 163, 112
Decimal	10719088
CIE Lab	60.43, 2.67, 19.27
CIE LCh	60, 19.451, 82.107
Yxy	28.6013, 0.3673, 0.3772
Android (android.graphics.Color)	4288909168 (0xFFA38F70)
YUV	145.4460, -16.4889, 15.3949
Hunter-Lab	53.4802, -0.6315, 15.9487

Details

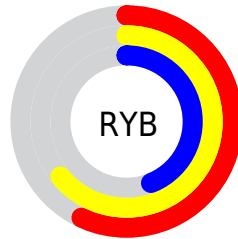
The XYZ color **27.8513, 28.6013, 19.3819** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.5439, 22.5908, 37.8752**, and the grayscale version is **27.1546, 28.5688, 31.1114**.

A 20% lighter version of the original color is **55.8805, 57.6729, 43.3087**, and **11.2702, 11.5139, 6.4789** is the 20% darker color. If you saturate the color by 10%, you get **26.0926, 26.4072, 14.7162**, and if you desaturate by 10%, it is **29.8305, 30.9731, 24.9324**.

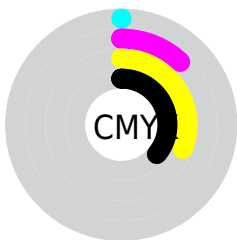
Distribution



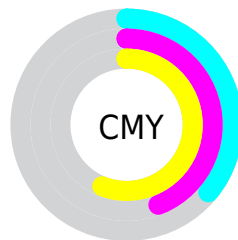
- Red (64%)
- Green (56%)
- Blue (44%)



- Red (57%)
- Yellow (64%)
- Blue (44%)



- Cyan (0%)
- Magenta (12%)
- Yellow (31%)
- Black (36%)



- Cyan (36%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8513, 28.6013, 19.3819 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 27.8513, 28.6013, 19.3819 by changing the saturation by 10% instead.

■ 27.8513, 28.6013,
19.3819

■ 27.8513, 28.6013,
19.3819

283.8487,
295.3291, 261.0417

■ 18.3535, 18.7794,
11.7670

■ 55.6573, 57.4430,
43.2237

■ 11.3053, 11.5110,
6.4646

■ 74.6961, 77.2317,
60.2876

■ 6.3414, 6.4116,
3.0563

■ 97.6460, 101.1113,
81.3383

■ 3.0964, 3.0970,
1.1234

■ 124.8723,
129.4664, 106.7942

■ 1.2049, 1.1826,
0.0000

156.7404,
162.6814, 137.0740

■ 0.1103, 0.0474,
0.0000

193.6155,

■ 0.0000, 0.0000,

201.1405, 172.5961

0.0000

235.8632,
245.2283, 213.7792

■ 27.8513, 28.6013,
19.3819

■ 27.8513, 28.6013,
19.3819

■ 26.0926, 26.4072,
14.7162

■ 29.8305, 30.9731,
24.9324

■ 24.5424, 24.3814,
10.8865

■ 32.0370, 33.5238,
31.4093

■ 23.1908, 22.5197,
7.8419

■ 34.4801, 36.2593,
38.8540

■ 22.0261, 20.8157,
5.5253

■ 37.1678, 39.1843,
47.3046

■ 21.0349, 19.2626,
3.8715

■ 40.1078, 42.3031,
56.7971

■ 20.2018, 17.8526,
2.8038

■ 43.3074, 45.6199,
67.3659

■ 19.5747, 16.7274,
2.1970

■ 46.7734, 49.1388,
79.0438

■ 50.5126, 52.8636,
91.8620

■ 53.9297, 56.5575,
102.6820

Harmonies

Analogous

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



30.2507, 28.6013, 21.4775



27.8513, 28.6013, 19.3819



25.4125, 28.6013, 20.0329

Triad

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



27.8513, 28.6013, 19.3819



22.9630, 28.6013, 36.6255



31.1645, 28.6013, 40.4031

Complementary

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



27.8513, 28.6013, 19.3819



21.5439, 22.5908, 37.8752

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.



29.0374, 28.6013, 45.7457



27.8513, 28.6013, 19.3819



24.3331, 28.6013, 43.3419

Square

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



27.8513, 28.6013, 19.3819



22.6885, 28.6013, 29.2863



26.5288, 28.6013, 46.8965



32.2387, 28.6013, 33.0744

Rectangle

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



27.8513, 28.6013, 19.3819



24.0821, 28.6013, 21.9903



26.5288, 28.6013, 46.8965



30.5429, 28.6013, 42.5344

Sweetspot

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



27.8520, 28.6026, 19.3825



58.2678, 61.0496, 58.9320



25.0909, 21.0521, 24.7149



12.9543, 13.5616, 12.8375



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.8520, 28.6026, 19.3825



47.5072, 48.2793, 28.3670



30.1028, 34.6232, 20.4260



7.4152, 7.7687, 7.4888



15.2583, 13.0905, 1.7225



0.3646, 0.3631, 0.0509

Inverse Universe

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



21.5439, 22.5908, 37.8752



34.2883, 35.6871, 67.1372



19.7549, 18.0219, 37.0876



6.9176, 7.2943, 8.9464



6.6004, 4.9803, 27.5432



0.1839, 0.1951, 0.5938

Previews

White Background



This preview shows how the XYZ color 27.8513, 28.6013, 19.3819 looks on a white background.

Color Contrast Check

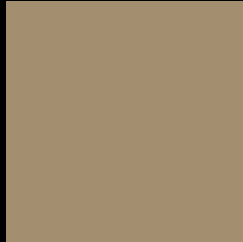
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8513, 28.6013, 19.3819 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 27.8513, 28.6013, 19.3819

Background



This preview shows how black text looks on a background with the XYZ color 27.8513, 28.6013, 19.3819.



This preview shows how white text looks on a background with the XYZ color 27.8513, 28.6013,

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

27.8513, 28.6013, 19.3819

Protanopia

26.7771, 28.7186, 19.7547

Deuteranopia

29.1533, 28.6063, 19.6078



Tritanopia

30.4496, 28.5624, 32.3420

Trichromacy



Original Color

27.8513, 28.6013, 19.3819

Protanomaly

27.2066, 28.7122, 19.7308

Deuteranomaly

28.6540, 28.5668, 19.6265

Tritanomaly

29.5479, 28.6407, 27.2634

Monochromacy



Original Color

27.8513, 28.6013, 19.3819

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.1558, 28.3154, 26.2245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8513, 28.6013, 19.3819 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(163, 143, 112)` looks like.

```
.text, #text, p{  
    color:rgb(163, 143, 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(163, 143, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 143, 112) }
```

Border

The CSS property to change the border of an element to XYZ 27.8513, 28.6013, 19.3819 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(163, 143, 112) }
```


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

```
.border{ border-color:rgb(163, 143, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 143, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 143, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 143, 112);  
box-shadow:4px 4px 4px 4px rgb(163, 143,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8513, 28.6013, 19.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 143, 112) }
```

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

```
.background{ background-color: rgb(163,  
143, 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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