

Converting Colors

XYZ(27.9319, 31.6901, 20.8643)

Have a look what the booklet for
XYZ(27.9319, 31.6901, 20.8643)
contains.

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Color

**XYZ(27.9319, 31.6901,
20.8643)**

Conversions

Conversions Part 1

Format	Color
Hex	989C73
RGB	152, 156, 115
RGB Percent	60%, 61%, 45%
CMY	0.4039, 0.3882, 0.5490
CMYK	0.03, 0.00, 0.26, 0.39
HSL	66°, 17%, 53%
HSV	66°, 26%, 61%
XYZ	27.9319, 31.6901, 20.8643
YIQ	150.1300, 10.7770, -13.5990

Conversions

Conversions Part 2

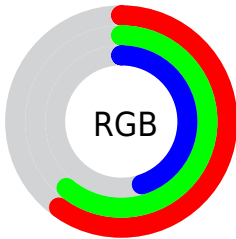
Format	Color
RYB	115, 156, 119
Decimal	10001523
CIELab	63.09, -8.46, 21.05
CIElCh	63, 22.689, 111.906
Yxy	31.6901, 0.3470, 0.3937
Android (android.graphics.Color)	4288191603 (0xFF989C73)
YUV	150.1300, -17.3191, 1.6400
Hunter-Lab	56.2940, -9.9464, 17.4310

Details

The XYZ color **27.9319, 31.6901, 20.8643** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.7404, 18.5845, 34.0009**, and the grayscale version is **29.1133, 30.6295, 33.3555**.

A 20% lighter version of the original color is **55.7538, 62.1486, 45.6166**, and **11.4315, 13.2751, 7.2700** is the 20% darker color. If you saturate the color by 10%, you get **26.8262, 31.2162, 16.5166**, and if you desaturate by 10%, it is **29.1949, 32.2295, 26.0137**.

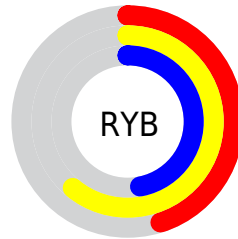
Distribution



Red (60%)

Green (61%)

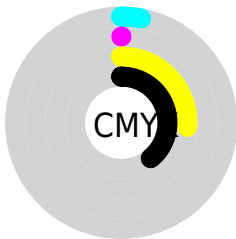
Blue (45%)



Red (45%)

Yellow (61%)

Blue (47%)

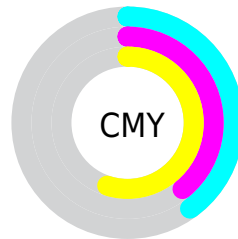


Cyan (3%)

Magenta (0%)

Yellow (26%)

Black (39%)



Cyan (40%)

Magenta (39%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9319, 31.6901, 20.8643 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 27.9319, 31.6901, 20.8643 by changing the saturation by 10% instead.

■ 27.9319, 31.6901,
20.8643

■ 27.9319, 31.6901,
20.8643

284.2273,
309.7051, 269.3138

■ 18.4145, 21.1249,
12.8346

■ 55.7851, 62.3249,
45.7394

■ 11.3495, 13.2153,
7.1853

■ 74.8516, 83.1634,
63.4219

■ 6.3714, 7.5770,
3.4981

■ 97.8319, 108.1950,
85.1591

■ 3.1150, 3.8255,
1.3542

125.0914,
137.8043, 111.3694

■ 1.2149, 1.5764,
0.1056

156.9953,
172.3755, 142.4716

■ 0.1181, 0.3416,
0.0000

193.9090,

■ 0.0000, 0.0000,

212.2931, 178.8839

0.0000

236.1979,
257.9415, 221.0252

■ 27.9319, 31.6901,
20.8643

■ 27.9319, 31.6901,
20.8643

■ 26.8262, 31.2162,
16.5166

■ 29.1949, 32.2295,
26.0137

■ 25.8676, 30.8005,
12.9284

■ 30.6197, 32.8330,
32.0003

■ 25.0487, 30.4410,
10.0565

■ 32.2140, 33.5048,
38.8597

■ 24.3603, 30.1342,
7.8527

■ 33.9840, 34.2472,
46.6251

■ 23.7920, 29.8758,
6.2629

■ 35.9357, 35.0627,
55.3278

■ 23.3320, 29.6612,
5.2245

■ 38.0748, 35.9536,
64.9977

■ 22.9631, 29.4834,
4.6471

■ 40.4066, 36.9221,
75.6633

■ 22.8350, 29.4210,
4.4753

■ 42.9364, 37.9701,
87.3519

■ 45.6040, 39.0738,
99.7461

Harmonies

Analogous

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



30.9753, 31.6901, 20.1071



27.9319, 31.6901, 20.8643



25.6308, 31.6901, 24.9318

Triad

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



27.9319, 31.6901, 20.8643



26.5602, 31.6901, 49.9136



36.4759, 31.6901, 36.9877

Complementary

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



27.9319, 31.6901, 20.8643



19.7404, 18.5845, 34.0009

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.



35.1061, 31.6901, 46.2603



27.9319, 31.6901, 20.8643



29.2816, 31.6901, 54.5219

Square

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



27.9319, 31.6901, 20.8643



24.8779, 31.6901, 41.3385



32.4205, 31.6901, 53.0804



36.0523, 31.6901, 28.4696

Rectangle

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



27.9319, 31.6901, 20.8643



24.7576, 31.6901, 29.4272



32.4205, 31.6901, 53.0804



36.2068, 31.6901, 40.1360

Sweetspot

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



27.9327, 31.6915, 20.8650



55.1028, 59.4161, 55.9605



23.3334, 21.3618, 19.1135



12.0417, 13.0389, 11.9615



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



27.9327, 31.6915, 20.8650



49.4230, 56.9967, 32.7156



24.5128, 29.9285, 20.7049



7.1063, 7.6875, 7.0949



18.8242, 24.2409, 3.6868



0.3532, 0.4420, 0.0667

Inverse Universe

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



19.7404, 18.5845, 34.0009



31.7847, 28.7721, 61.0051



22.7660, 20.1443, 34.1425



6.3419, 6.4647, 8.3202



5.1230, 2.0700, 26.0368



0.1071, 0.0450, 0.4663

Previews

White Background



This preview shows how the XYZ color 27.9319, 31.6901, 20.8643 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 27.9319, 31.6901, 20.8643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

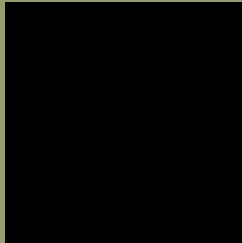
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.9319, 31.6901, 20.8643

Background



This preview shows how black text looks on a background with the XYZ color 27.9319, 31.6901, 20.8643.



This preview shows how white text looks on a background with the XYZ color 27.9319, 31.6901,

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

27.9319, 31.6901, 20.8643

Protanopia

29.5187, 31.5412, 20.1550

Deuteranopia

32.0802, 31.4258, 21.2046



Tritanopia

31.5285, 31.6904, 38.6376

Trichromacy



Original Color

27.9319, 31.6901, 20.8643

Protanomaly

28.9257, 31.4710, 20.4695

Deuteranomaly

30.4209, 31.5087, 21.0014

Tritanomaly

30.0494, 31.5687, 31.2977

Monochromacy



Original Color

27.9319, 31.6901, 20.8643

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.5061, 30.8419, 28.1176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9319, 31.6901, 20.8643 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(152, 156, 115)` looks like.

```
.text, #text, p{  
    color:rgb(152, 156, 115)  
}
```

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(152, 156, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 156, 115) }
```

Border

The CSS property to change the border of an element to XYZ 27.9319, 31.6901, 20.8643 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(152, 156, 115) }
```


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

```
.border{ border-color:rgb(152, 156, 115) }
```

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

Here you see how a box with a 4 pixel rgb(152, 156, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 156, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 156, 115);  
box-shadow:4px 4px 4px 4px rgb(152, 156,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9319, 31.6901, 20.8643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 156, 115) }
```

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

```
.background{ background-color: rgb(152,  
156, 115) }
```

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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