

Converting Colors

XYZ(30.2084, 31.6525, 19.9051)

Have a look what the booklet for
XYZ(30.2084, 31.6525, 19.9051)
contains.

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Color

**XYZ(30.1397, 31.6279,
19.8455)**

Conversions

Conversions Part 1

Format	Color
Hex	A89770
RGB	168, 151, 112
RGB Percent	66%, 59%, 44%
CMY	0.3412, 0.4078, 0.5608
CMYK	0.00, 0.10, 0.33, 0.34
HSL	42°, 24%, 55%
HSV	42°, 33%, 66%
XYZ	30.1397, 31.6279, 19.8455
YIQ	151.6370, 22.6510, -8.5250

Conversions

Conversions Part 2

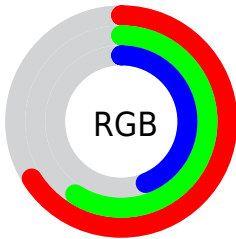
Format	Color
RYB	136, 168, 112
Decimal	11048816
CIELab	63.03, 0.30, 22.87
CIElCh	63, 22.872, 89.259
Yxy	31.6279, 0.3693, 0.3875
Android (android.graphics.Color)	4289238896 (0xFFA89770)
YUV	151.6370, -19.5410, 14.3504
Hunter-Lab	56.2387, -2.7552, 18.4448

Details

The XYZ color **30.1397, 31.6279, 19.8455** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.6001, 21.9718, 40.1484**, and the grayscale version is **29.7639, 31.3140, 34.1009**.

A 20% lighter version of the original color is **59.2726, 62.1903, 44.0019**, and **12.5528, 13.1293, 6.7231** is the 20% darker color. If you saturate the color by 10%, you get **28.4875, 29.6834, 15.1026**, and if you desaturate by 10%, it is **32.0035, 33.7161, 25.5209**.

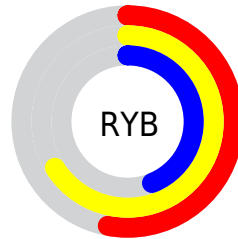
Distribution



Red (66%)

Green (59%)

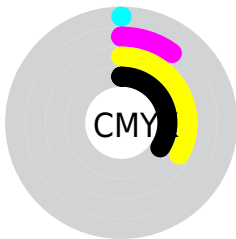
Blue (44%)



Red (53%)

Yellow (66%)

Blue (44%)

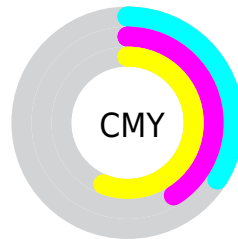


Cyan (0%)

Magenta (10%)

Yellow (33%)

Black (34%)



Cyan (34%)

Magenta (41%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1397, 31.6279, 19.8455 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 30.1397, 31.6279, 19.8455 by changing the saturation by 10% instead.

■ 30.1397, 31.6279,
19.8455

■ 30.1397, 31.6279,
19.8455

294.4532,
309.4207, 263.6540

■ 20.0932, 21.0774,
12.0998

■ 59.2681, 62.2273,
44.0136

■ 12.5715, 13.1806,
6.6883

■ 79.0809, 83.0450,
61.2730

■ 7.2091, 7.5530,
3.1925

■ 102.8797,
108.0540, 82.5408

■ 3.6407, 3.8103,
1.1937

■ 131.0300,
137.6385, 108.2355

■ 1.5009, 1.5680,
0.0000

163.8972,
172.1831, 138.7757

■ 0.3265, 0.3359,
0.0000

201.8465,

■ 0.0000, 0.0000,

212.0720, 174.5798

0.0000

245.2434,
257.6898, 216.0664

■ 30.1397, 31.6279,
19.8455

■ 30.1397, 31.6279,
19.8455

■ 28.4875, 29.6834,
15.1026

■ 32.0035, 33.7161,
25.5209

■ 27.0345, 27.8735,
11.2387

■ 34.0861, 35.9482,
32.1740

■ 25.7701, 26.1944,
8.1981

■ 36.3968, 38.3298,
39.8499

■ 24.6822, 24.6405,
5.9178

■ 38.9441, 40.8648,
48.5899

■ 23.7565, 23.2054,
4.3257

■ 41.7358, 43.5570,
58.4331

■ 22.9761, 21.8815,
3.3353

■ 44.7792, 46.4102,
69.4167

■ 22.5111, 21.0501,
2.8766

■ 48.0815, 49.4276,
81.5762

■ 51.6495, 52.6128,
94.9454

■ 54.1407, 55.4293,
102.4531

Harmonies

Analogous

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



33.2637, 31.6279, 21.5800



30.1397, 31.6279, 19.8455



27.1980, 31.6279, 21.4163

Triad

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



30.1397, 31.6279, 19.8455



25.0824, 31.6279, 43.6272



35.5715, 31.6279, 44.0833

Complementary

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



30.1397, 31.6279, 19.8455



21.6001, 21.9718, 40.1484

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.



33.1189, 31.6279, 51.8890



30.1397, 31.6279, 19.8455



27.0714, 31.6279, 51.5950

Square

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



30.1397, 31.6279, 19.8455



24.4044, 31.6279, 34.2138



29.9832, 31.6279, 54.8495



36.5313, 31.6279, 34.6620

Rectangle

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



30.1397, 31.6279, 19.8455



25.7032, 31.6279, 24.3147



29.9832, 31.6279, 54.8495



34.8863, 31.6279, 47.0395

Sweetspot

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



30.1405, 31.6294, 19.8462



63.1291, 66.5645, 62.5669



25.9543, 21.5181, 23.8112



13.6397, 14.3836, 13.2429



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



30.1405, 31.6294, 19.8462



52.4385, 54.7582, 29.4850



30.9756, 36.4173, 20.7263



7.9518, 8.3837, 7.9884



17.0461, 15.9894, 2.1878



0.4566, 0.4727, 0.0672

Inverse Universe

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



21.6001, 21.9718, 40.1484



34.5375, 34.5252, 72.0688



20.9263, 18.5730, 39.5279



7.3106, 7.6580, 9.5112



6.2715, 4.0032, 28.4176



0.1971, 0.1863, 0.7062

Previews

White Background



This preview shows how the XYZ color 30.1397, 31.6279, 19.8455 looks on a white background.

Color Contrast Check

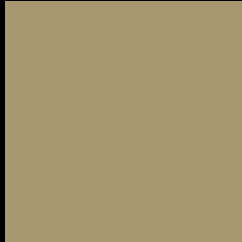
Large Text (above 18pt) WCAG AA × Fail

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 30.1397, 31.6279, 19.8455 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 30.1397, 31.6279, 19.8455

Background



This preview shows how black text looks on a background with the XYZ color 30.1397, 31.6279, 19.8455.



This preview shows how white text looks on a background with the XYZ color 30.1397, 31.6279,

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

30.1397, 31.6279, 19.8455

Protanopia

29.5187, 31.5412, 20.1550

Deuteranopia

32.0819, 31.4533, 20.0030



Tritanopia

33.3597, 31.5353, 35.7812

Trichromacy



Original Color

30.1397, 31.6279, 19.8455

Protanomaly

29.7259, 31.6481, 20.1647

Deuteranomaly

31.4750, 31.6022, 20.0637

Tritanomaly

31.9619, 31.4188, 29.1908

Monochromacy



Original Color

30.1397, 31.6279, 19.8455

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8441, 31.5317, 28.1802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1397, 31.6279, 19.8455 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(168, 151, 112)` looks like.

```
.text, #text, p{  
    color:rgb(168, 151, 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(168, 151, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 151, 112) }
```

Border

The CSS property to change the border of an element to XYZ 30.1397, 31.6279, 19.8455 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(168, 151, 112) }
```


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

```
.border{ border-color:rgb(168, 151, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 151, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 151, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 151, 112);  
box-shadow:4px 4px 4px 4px rgb(168, 151,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1397, 31.6279, 19.8455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 151, 112) }
```

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

```
.background{ background-color: rgb(168,  
151, 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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