

Converting Colors

XYZ(29.4849, 31.5040, 21.0498)

Have a look what the booklet for
XYZ(29.4849, 31.5040, 21.0498)
contains.

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Color

**XYZ(29.4849, 31.5040,
21.0498)**

Conversions

Conversions Part 1

Format	Color
Hex	A39874
RGB	163, 152, 116
RGB Percent	64%, 60%, 45%
CMY	0.3608, 0.4039, 0.5451
CMYK	0.00, 0.07, 0.29, 0.36
HSL	46°, 20%, 55%
HSV	46°, 29%, 64%
XYZ	29.4849, 31.5040, 21.0498
YIQ	151.1850, 18.1120, -8.8640

Conversions

Conversions Part 2

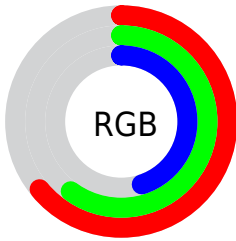
Format	Color
RYB	130, 163, 116
Decimal	10721396
CIELab	62.93, -1.75, 20.44
CIELCh	63, 20.517, 94.882
Yxy	31.5040, 0.3594, 0.3840
Android (android.graphics.Color)	4288911476 (0xFFA39874)
YUV	151.1850, -17.3462, 10.3618
Hunter-Lab	56.1284, -4.4567, 17.0544

Details

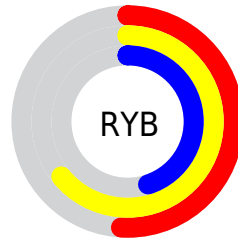
The XYZ color **29.4849, 31.5040, 21.0498** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.4025, 21.5354, 37.6792**, and the grayscale version is **29.5619, 31.1014, 33.8694**.

A 20% lighter version of the original color is **58.0526, 61.8752, 45.9292**, and **12.2526, 13.1042, 7.3524** is the 20% darker color. If you saturate the color by 10%, you get **28.0100, 29.9406, 16.2837**, and if you desaturate by 10%, it is **31.1478, 33.1766, 26.7001**.

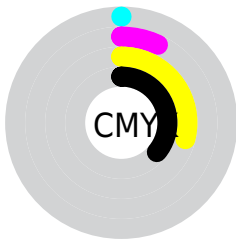
Distribution



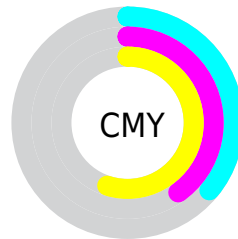
- Red (64%)
- Green (60%)
- Blue (45%)



- Red (51%)
- Yellow (64%)
- Blue (45%)



- Cyan (0%)
- Magenta (7%)
- Yellow (29%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4849, 31.5040, 21.0498 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 29.4849, 31.5040, 21.0498 by changing the saturation by 10% instead.

■ 29.4849, 31.5040,
21.0498

■ 29.4849, 31.5040,
21.0498

291.4491,
308.8536, 270.3328

■ 19.5941, 20.9829,
12.9688

■ 58.2389, 62.0327,
46.0523

■ 12.2069, 13.1115,
7.2766

■ 77.8327, 82.8091,
63.8108

■ 6.9579, 7.5054,
3.5546

■ 101.3916,
107.7728, 85.6323

■ 3.4819, 3.7801,
1.3843

129.2809,
137.3081, 111.9353

■ 1.4134, 1.5513,
0.1295

161.8659,
171.7994, 143.1383

■ 0.2658, 0.3245,
0.0000

199.5121,

■ 0.0000, 0.0000,

211.6312, 179.6598

0.0000

242.5847,
257.1878, 221.9185

■ 29.4849, 31.5040,
21.0498

■ 29.4849, 31.5040,
21.0498

■ 28.0100, 29.9406,
16.2837

■ 31.1478, 33.1766,
26.7001

■ 26.7117, 28.4783,
12.3541

■ 33.0043, 34.9578,
33.2752

■ 25.5811, 27.1144,
9.2114

■ 35.0632, 36.8523,
40.8154

■ 24.6077, 25.8442,
6.8005

■ 37.3316, 38.8633,
49.3582

■ 23.7792, 24.6627,
5.0586

■ 39.8165, 40.9939,
58.9391

■ 23.0816, 23.5638,
3.9127

■ 42.5243, 43.2469,
69.5916

■ 22.4876, 22.5364,
3.2193

■ 45.4614, 45.6252,
81.3481

■ 22.4208, 22.4196,
3.1457

■ 48.6337, 48.1314,
94.2392

■ 50.7821, 50.2620,
101.6328

Harmonies

Analogous

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



32.3025, 31.5040, 22.0851



29.4849, 31.5040, 21.0498



26.9511, 31.5040, 23.0844

Triad

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



29.4849, 31.5040, 21.0498



25.7158, 31.5040, 43.9624



35.1214, 31.5040, 41.3187

Complementary

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



29.4849, 31.5040, 21.0498



21.4025, 21.5354, 37.6792

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.



33.1498, 31.5040, 48.6688



29.4849, 31.5040, 21.0498



27.7024, 31.5040, 50.3552

Square

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



29.4849, 31.5040, 21.0498



24.8638, 31.5040, 35.6400



30.4070, 31.5040, 52.1995



35.6721, 31.5040, 32.9989

Rectangle

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



29.4849, 31.5040, 21.0498



25.7274, 31.5040, 26.1291



30.4070, 31.5040, 52.1995



34.5970, 31.5040, 44.0240

Sweetspot

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



29.4857, 31.5054, 21.0505



58.9915, 62.4970, 59.1733



25.2297, 21.8296, 23.2200



13.1405, 13.9340, 12.8996



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.



29.4857, 31.5054, 21.0505



50.9700, 54.4934, 31.7147



29.0587, 34.0588, 21.5658



7.5083, 7.9550, 7.5198



17.4609, 17.4957, 2.4567



0.3993, 0.4325, 0.0624

Inverse Universe

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



21.4025, 21.5354, 37.6792



33.9555, 33.5133, 66.7352



21.7211, 19.7053, 37.3091



6.8287, 7.1165, 8.9168



5.7101, 3.1996, 27.2464



0.1533, 0.1338, 0.5836

Previews

White Background



This preview shows how the XYZ color 29.4849, 31.5040, 21.0498 looks on a white background.

Color Contrast Check

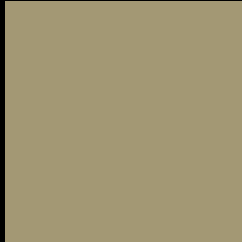
Large Text (above 18pt) WCAG AA × Fail

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 29.4849, 31.5040, 21.0498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

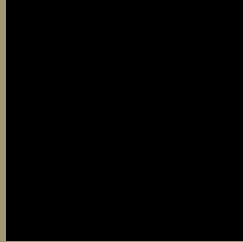
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4849, 31.5040, 21.0498

Background



This preview shows how black text looks on a background with the XYZ color 29.4849, 31.5040, 21.0498.



This preview shows how white text looks on a background with the XYZ color 29.4849, 31.5040,

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

29.4849, 31.5040, 21.0498

Protanopia

29.4849, 31.5040, 21.0498

Deuteranopia

32.0802, 31.4258, 21.2046



Tritanopia

32.5989, 31.3512, 36.6810

Trichromacy



Original Color

29.4849, 31.5040, 21.0498

Protanomaly

29.4849, 31.5040, 21.0498

Deuteranomaly

31.0344, 31.3484, 21.2448

Tritanomaly

31.2737, 31.2700, 30.3740

Monochromacy



Original Color

29.4849, 31.5040, 21.0498

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1716, 30.9368, 28.4786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4849, 31.5040, 21.0498 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, 152, 116)` looks like.

```
.text, #text, p{  
    color:rgb(163, 152, 116)  
}
```

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, 152, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 152, 116) }
```

Border

The CSS property to change the border of an element to XYZ 29.4849, 31.5040, 21.0498 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, 152, 116) }
```


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

```
.border{ border-color:rgb(163, 152, 116) }
```

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

Here you see how a box with a 4 pixel rgb(163, 152, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 152, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 152, 116);  
box-shadow:4px 4px 4px 4px rgb(163, 152,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4849, 31.5040, 21.0498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 152, 116) }
```

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

```
.background{ background-color: rgb(163,  
152, 116) }
```

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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