

Converting Colors

XYZ(31.0771, 36.9374, 10.3391)

Have a look what the booklet for
XYZ(31.0771, 36.9374, 10.3391)
contains.

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Color

**XYZ(31.0497, 36.9616,
10.3483)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A940
RGB	167, 169, 64
RGB Percent	65%, 66%, 25%
CMY	0.3451, 0.3372, 0.7490
CMYK	0.01, 0.00, 0.62, 0.34
HSL	61°, 45%, 46%
HSV	61°, 62%, 66%
XYZ	31.0497, 36.9616, 10.3483
YIQ	156.4320, 32.5130, -33.0790

Conversions

Conversions Part 2

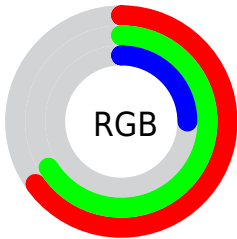
Format	Color
RYB	64, 169, 66
Decimal	10987840
CIELab	67.25, -14.47, 52.26
CIELCh	67, 54.227, 105.477
Yxy	36.9616, 0.3962, 0.4717
Android (android.graphics.Color)	4289177920 (0xFFA7A940)
YUV	156.4320, -45.5690, 9.2681
Hunter-Lab	60.7961, -15.2297, 32.4653

Details

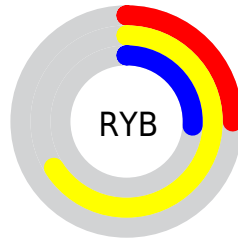
The XYZ color **31.0497, 36.9616, 10.3483** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.2428, 7.6905, 38.4303**, and the grayscale version is **31.9813, 33.6468, 36.6414**.

A 20% lighter version of the original color is **60.5485, 70.4196, 26.9241**, and **13.0543, 16.1717, 2.4908** is the 20% darker color. If you saturate the color by 10%, you get **30.5721, 36.7641, 8.1851**, and if you desaturate by 10%, it is **31.6749, 37.2209, 13.2806**.

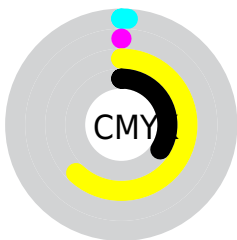
Distribution



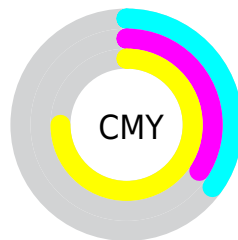
- Red (65%)
- Green (66%)
- Blue (25%)



- Red (25%)
- Yellow (66%)
- Blue (26%)



- Cyan (1%)
- Magenta (0%)
- Yellow (62%)
- Black (34%)



- Cyan (35%)
- Magenta (34%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0497, 36.9616, 10.3483 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 31.0497, 36.9616, 10.3483 by changing the saturation by 10% instead.

■ 31.0497, 36.9616,
10.3483

■ 31.0497, 36.9616,
10.3483

298.5900,
333.1442, 203.7145

■ 20.7887, 25.1778,
5.5219

■ 60.6936, 70.5137,
27.0666

■ 13.0812, 16.2095,
2.4926

■ 80.8073, 93.0508,
39.7955

■ 7.5619, 9.6726,
0.8362

■ 104.9358,
119.9411, 55.9957

■ 3.8653, 5.1824,
0.0000

■ 133.4447,
151.5689, 76.0857

■ 1.6262, 2.3547,
0.0000

■ 166.6992,
188.3188, 100.4841

■ 0.4094, 0.8024,
0.0000

205.0646,

■ 0.0000, 0.0000,

230.5750, 129.6093

0.0000

248.9065,
278.7220, 163.8799

■ 31.0497, 36.9616,
10.3483

■ 31.0497, 36.9616,
10.3483

■ 30.5721, 36.7641,
8.1851

■ 31.6749, 37.2209,
13.2806

■ 30.2259, 36.6177,
6.7167

■ 32.4572, 37.5417,
17.0425

■ 29.9959, 36.5179,
5.8588

■ 33.4079, 37.9300,
21.6911

■ 29.8680, 36.4606,
5.4634

■ 34.5371, 38.3896,
27.2780

■ 35.8536, 38.9241,
33.8507

■ 37.3659, 39.5370,
41.4534

■ 39.0818, 40.2314,
50.1278

■ 41.0089, 41.0103,
59.9133

■ 43.1543, 41.8765,
70.8471

Harmonies

Analogous

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



39.2781, 36.9616, 10.2689



31.0497, 36.9616, 10.3483



24.9548, 36.9616, 15.9855

Triad

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



31.0497, 36.9616, 10.3483



25.1045, 36.9616, 82.3134



52.9147, 36.9616, 52.8011

Complementary

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



31.0497, 36.9616, 10.3483



11.2428, 7.6905, 38.4303

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.



47.7540, 36.9616, 81.4503



31.0497, 36.9616, 10.3483



31.2864, 36.9616, 102.5200

Square

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



31.0497, 36.9616, 10.3483



21.9083, 36.9616, 53.6859



39.5549, 36.9616, 102.1535



52.8245, 36.9616, 29.2584

Rectangle

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



31.0497, 36.9616, 10.3483



22.5414, 36.9616, 24.1262



39.5549, 36.9616, 102.1535



51.7050, 36.9616, 62.3011

Sweetspot

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



31.0506, 36.9633, 10.3491



62.4734, 69.0026, 51.9527



19.2225, 12.6734, 6.2840



13.4828, 14.9852, 10.6580



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.



31.0506, 36.9633, 10.3491



54.4611, 65.7170, 13.4067



22.1523, 32.3761, 9.9326



8.1325, 8.7664, 8.0527



22.2646, 27.1750, 4.0718



0.5460, 0.6634, 0.0993

Inverse Universe

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



11.2428, 7.6905, 38.4303



15.9266, 8.7446, 68.0735



16.5012, 10.4013, 38.6764



7.1445, 7.3071, 9.4522



5.3727, 2.1532, 28.1079



0.1347, 0.0545, 0.6841

Previews

White Background



This preview shows how the XYZ color 31.0497, 36.9616, 10.3483 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 31.0497, 36.9616, 10.3483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

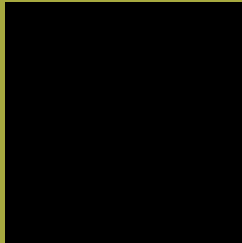
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0497, 36.9616, 10.3483

Background



This preview shows how black text looks on a background with the XYZ color 31.0497, 36.9616, 10.3483.



This preview shows how white text looks on a background with the XYZ color 31.0497, 36.9616,

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

31.0497, 36.9616, 10.3483

Protanopia

33.7011, 36.9771, 10.0637

Deuteranopia

37.5605, 36.8908, 10.6098



Tritanopia

37.7090, 36.7411, 43.6323

Trichromacy



Original Color

31.0497, 36.9616, 10.3483

Protanomaly

32.6649, 36.9784, 10.1186

Deuteranomaly

34.9932, 36.8421, 10.5771

Tritanomaly

34.3188, 36.3908, 27.0451

Monochromacy



Original Color

31.0497, 36.9616, 10.3483

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.8172, 34.3934, 23.7532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0497, 36.9616, 10.3483 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(167, 169, 64)` looks like.

```
.text, #text, p{  
    color:rgb(167, 169, 64)  
}
```

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(167, 169, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 169, 64) }
```

Border

The CSS property to change the border of an element to XYZ 31.0497, 36.9616, 10.3483 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(167, 169, 64) }
```


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

```
.border{ border-color:rgb(167, 169, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 169, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 169, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 169, 64);  
box-shadow:4px 4px 4px 4px rgb(167, 169,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0497, 36.9616, 10.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 169, 64) }
```

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

```
.background{ background-color: rgb(167,  
169, 64) }
```

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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