

Converting Colors

XYZ(34.2621, 36.2118, 20.0548)

Have a look what the booklet for
XYZ(34.2621, 36.2118, 20.0548)
contains.

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Color

**XYZ(34.3817, 36.3188,
19.9500)**

Conversions

Conversions Part 1

Format	Color
Hex	B4A16E
RGB	180, 161, 110
RGB Percent	71%, 63%, 43%
CMY	0.2941, 0.3686, 0.5686
CMYK	0.00, 0.11, 0.39, 0.29
HSL	44°, 32%, 57%
HSV	44°, 39%, 71%
XYZ	34.3817, 36.3188, 19.9500
YIQ	160.8670, 27.6950, -11.8330

Conversions

Conversions Part 2

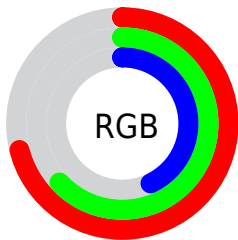
Format	Color
RYB	136, 180, 110
Decimal	11837806
CIELab	66.76, -0.48, 29.10
CIELCh	67, 29.104, 90.939
Yxy	36.3188, 0.3793, 0.4006
Android (android.graphics.Color)	4290027886 (0xFFB4A16E)
YUV	160.8670, -25.0774, 16.7796
Hunter-Lab	60.2651, -3.6282, 22.5583

Details

The XYZ color **34.3817, 36.3188, 19.9500** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.5187, 22.3101, 46.2993**, and the grayscale version is **33.9190, 35.6854, 38.8614**.

A 20% lighter version of the original color is **66.0025, 69.7249, 44.1620**, and **15.0224, 15.9244, 6.6968** is the 20% darker color. If you saturate the color by 10%, you get **32.6628, 34.2933, 15.0234**, and if you desaturate by 10%, it is **36.3348, 38.4940, 25.9377**.

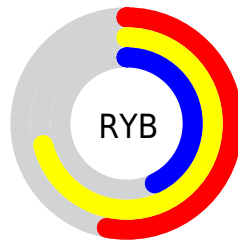
Distribution



Red (71%)

Green (63%)

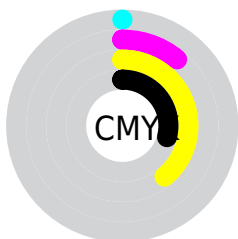
Blue (43%)



Red (53%)

Yellow (71%)

Blue (43%)

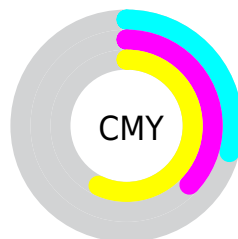


Cyan (0%)

Magenta (11%)

Yellow (39%)

Black (29%)



Cyan (29%)


Magenta (37%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3817, 36.3188, 19.9500 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 34.3817, 36.3188, 19.9500 by changing the saturation by 10% instead.


 34.3817, 36.3188,
19.9500


 34.3817, 36.3188,
19.9500


313.3867,
330.3518, 264.2396


 23.3513, 24.6805,
12.1750


 65.8672, 69.5238,
44.1912


 14.9752, 15.8392,
6.7390


 87.0529, 91.8594,
61.4945

 8.8882, 9.4104,
3.2234


 112.3544,
118.5295, 82.8109

 4.7249, 5.0098,
1.2098

 142.1371,
149.9185, 108.5591

 2.1198, 2.2530,
0.0000

176.7664,
186.4108, 139.1575

 0.7000, 0.7487,
0.0000

216.6075,

 0.0000, 0.0000,

228.3909, 175.0247

0.0000

262.0258,
276.2431, 216.5792

■ 34.3817, 36.3188,
19.9500

■ 34.3817, 36.3188,
19.9500

■ 32.6628, 34.2933,
15.0234

■ 36.3348, 38.4940,
25.9377

■ 31.1630, 32.4068,
11.0916

■ 38.5310, 40.8191,
33.0429

■ 29.8693, 30.6549,
8.0843

■ 40.9818, 43.3006,
41.3206

■ 28.7660, 29.0308,
5.9212

■ 43.6971, 45.9430,
50.8217

■ 27.8349, 27.5264,
4.5080

■ 46.6864, 48.7506,
61.5938

■ 27.0436, 26.1282,
3.6754

■ 49.9586, 51.7277,
73.6821

■ 26.9593, 25.9772,
3.5932

■ 53.5222, 54.8780,
87.1297

■ 57.3852, 58.2054,
101.9775

■ 58.6956, 60.5697,
103.2053

Harmonies

Analogous

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



38.7887, 36.3188, 21.9413



34.3817, 36.3188, 19.9500



30.3559, 36.3188, 22.2100

Triad

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



34.3817, 36.3188, 19.9500



27.7685, 36.3188, 53.3351



42.4442, 36.3188, 52.5013

Complementary

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



34.3817, 36.3188, 19.9500



22.5187, 22.3101, 46.2993

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.



39.0484, 36.3188, 64.1413



34.3817, 36.3188, 19.9500



30.5765, 36.3188, 64.6901

Square

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



34.3817, 36.3188, 19.9500



26.7426, 36.3188, 39.9427



34.6585, 36.3188, 69.0076



43.6754, 36.3188, 39.1499

Rectangle

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



34.3817, 36.3188, 19.9500



28.3665, 36.3188, 26.1732



34.6585, 36.3188, 69.0076



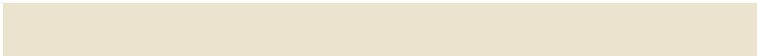
41.5045, 36.3188, 56.8362

Sweetspot

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



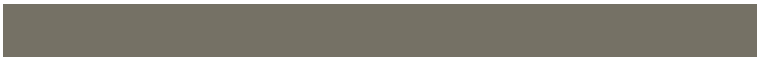
34.3826, 36.3205, 19.9507



72.7824, 76.9887, 69.7025



28.4166, 22.4628, 23.8989



15.6072, 16.5153, 14.6458



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



34.3826, 36.3205, 19.9507



59.5430, 62.5670, 28.1194



34.6182, 41.7498, 20.9863



8.9982, 9.5088, 9.0137



18.8739, 18.2464, 2.5271



0.6392, 0.6647, 0.0946

Inverse Universe

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



22.5187, 22.3101, 46.2993



34.8972, 33.4823, 82.9181



22.2963, 18.8201, 45.6374



8.2234, 8.5930, 10.7315



6.5608, 3.9219, 30.5482



0.2560, 0.2226, 0.9777

Previews

White Background



This preview shows how the XYZ color 34.3817, 36.3188, 19.9500 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 34.3817, 36.3188, 19.9500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

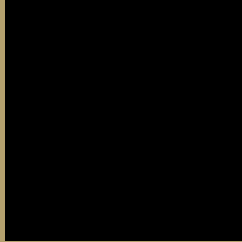
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3817, 36.3188, 19.9500

Background



This preview shows how black text looks on a background with the XYZ color 34.3817, 36.3188, 19.9500.



This preview shows how white text looks on a background with the XYZ color 34.3817, 36.3188,

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

34.3817, 36.3188, 19.9500

Protanopia

33.6941, 36.2185, 20.2539

Deuteranopia

36.8387, 36.0597, 20.0575



Tritanopia

38.6882, 36.3035, 41.0446

Trichromacy



Original Color

34.3817, 36.3188, 19.9500

Protanomaly

33.9210, 36.3355, 20.2645

Deuteranomaly

35.9125, 36.0805, 20.1104

Tritanomaly

37.0124, 36.3796, 32.2653

Monochromacy



Original Color

34.3817, 36.3188, 19.9500

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.7758, 35.7676, 30.7148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3817, 36.3188, 19.9500 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(180, 161, 110)` looks like.

```
.text, #text, p{  
    color:rgb(180, 161, 110)  
}
```

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(180, 161, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 161, 110) }
```

Border

The CSS property to change the border of an element to XYZ 34.3817, 36.3188, 19.9500 is called "border". The border property can be set on classes, ids or directly on the HTML element.

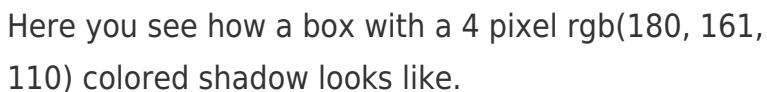
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 161, 110) }
```


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

```
.border{ border-color:rgb(180, 161, 110) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 161, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 161, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 161, 110); box-shadow:4px 4px 4px 4px rgb(180, 161, 110) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3817, 36.3188, 19.9500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 161, 110) }
```

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

```
.background{ background-color: rgb(180,  
161, 110) }
```

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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