

Converting Colors

XYZ(34.4354, 36.7862, 19.7575)

Have a look what the booklet for
XYZ(34.4354, 36.7862, 19.7575)
contains.

XYZ(34.4479, 36.8822, 19.7714)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.4479, 36.8822,
19.7714)**

Conversions

Conversions Part 1

Format	Color
Hex	B3A36D
RGB	179, 163, 109
RGB Percent	70%, 64%, 43%
CMY	0.2980, 0.3608, 0.5725
CMYK	0.00, 0.09, 0.39, 0.30
HSL	46°, 32%, 56%
HSV	46°, 39%, 70%
XYZ	34.4479, 36.8822, 19.7714
YIQ	161.6280, 26.8700, -13.4020

Conversions

Conversions Part 2

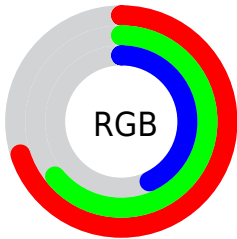
Format	Color
RYB	130, 179, 109
Decimal	11772781
CIELab	67.19, -2.08, 30.17
CIELCh	67, 30.246, 93.950
Yxy	36.8822, 0.3781, 0.4048
Android (android.graphics.Color)	4289962861 (0xFFB3A36D)
YUV	161.6280, -25.9456, 15.2352
Hunter-Lab	60.7307, -5.0293, 23.2091

Details

The XYZ color **34.4479, 36.8822, 19.7714** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.7768, 21.1725, 45.5867**, and the grayscale version is **34.2781, 36.0632, 39.2728**.

A 20% lighter version of the original color is **66.0965, 70.5489, 43.8519**, and **15.0672, 16.2746, 6.6221** is the 20% darker color. If you saturate the color by 10%, you get **32.8665, 35.1076, 14.9648**, and if you desaturate by 10%, it is **36.2509, 38.7857, 25.6209**.

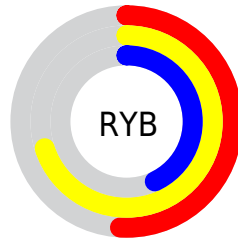
Distribution



Red (70%)

Green (64%)

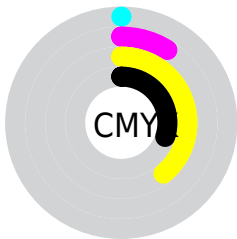
Blue (43%)



Red (51%)

Yellow (70%)

Blue (43%)

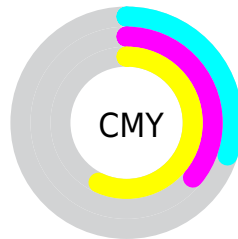


Cyan (0%)

Magenta (9%)

Yellow (39%)

Black (30%)



Cyan (30%)

Magenta (36%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4479, 36.8822, 19.7714 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 34.4479, 36.8822, 19.7714 by changing the saturation by 10% instead.

■ 34.4479, 36.8822,
19.7714

■ 34.4479, 36.8822,
19.7714

313.6755,
332.8002, 263.2380

■ 23.4024, 25.1163,
12.0466

■ 65.9693, 70.3916,
43.8875

■ 15.0133, 16.1637,
6.6525

■ 87.1759, 92.9038,
61.1159

■ 8.9151, 9.6401,
3.1706

■ 112.5002,
119.7670, 82.3491

■ 4.7425, 5.1610,
1.1824

■ 142.3076,
151.3655, 108.0058

■ 2.1302, 2.3420,
0.0000

176.9635,
188.0836, 138.5045

■ 0.7055, 0.7958,
0.0000

216.8332,

■ 0.0000, 0.0000,

230.3059, 174.2638

0.0000

262.2821,
278.4166, 215.7021

■ 34.4479, 36.8822,
19.7714

■ 34.4479, 36.8822,
19.7714

■ 32.8665, 35.1076,
14.9648

■ 36.2509, 38.7857,
25.6209

■ 31.4918, 33.4516,
11.1355

■ 38.2839, 40.8178,
32.5688

■ 30.3110, 31.9100,
8.2142

■ 40.5582, 42.9847,
40.6696

■ 29.3090, 30.4765,
6.1213

■ 43.0836, 45.2907,
49.9733

■ 28.4678, 29.1434,
4.7636

■ 45.8692, 47.7396,
60.5271

■ 27.7542, 27.8972,
3.9679

■ 48.9236, 50.3354,
72.3755

■ 27.6927, 27.7884,
3.9041

■ 52.2551, 53.0816,
85.5610

■ 55.8715, 55.9817,
100.1239

■ 57.2524, 58.0278,
102.7907

Harmonies

Analogous

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



39.0972, 36.8822, 21.3850



34.4479, 36.8822, 19.7714



30.3310, 36.8822, 22.5555

Triad

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



34.4479, 36.8822, 19.7714



28.1997, 36.8822, 56.0831



43.6443, 36.8822, 52.3806

Complementary

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



34.4479, 36.8822, 19.7714



21.7768, 21.1725, 45.5867

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.



40.2466, 36.8822, 65.1345



34.4479, 36.8822, 19.7714



31.3023, 36.8822, 67.5803

Square

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



34.4479, 36.8822, 19.7714



26.9295, 36.8822, 41.9340



35.6701, 36.8822, 71.2095



44.6708, 36.8822, 38.4337

Rectangle

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



34.4479, 36.8822, 19.7714



28.3613, 36.8822, 26.9862



35.6701, 36.8822, 71.2095



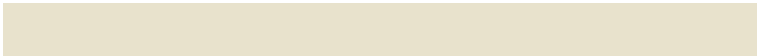
42.7278, 36.8822, 57.0415

Sweetspot

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



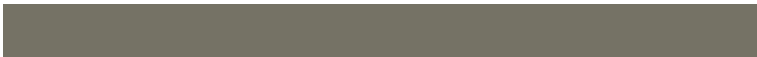
34.4488, 36.8839, 19.7722



71.3298, 75.7562, 68.1180



27.7823, 22.0106, 22.2985



15.6859, 16.6727, 14.6720



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.



34.4488, 36.8839, 19.7722



59.2131, 63.2816, 27.8282



33.4445, 40.8524, 20.5911



9.0291, 9.5708, 9.0240



19.6198, 19.7381, 2.7758



0.6578, 0.7019, 0.1008

Inverse Universe

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



21.7768, 21.1725, 45.5867



33.3146, 31.1901, 80.6456



22.4577, 18.7558, 45.0844



8.1943, 8.5348, 10.7218



6.3497, 3.4997, 30.4778



0.2442, 0.1989, 0.9738

Previews

White Background



This preview shows how the XYZ color 34.4479, 36.8822, 19.7714 looks on a white background.

Color Contrast Check

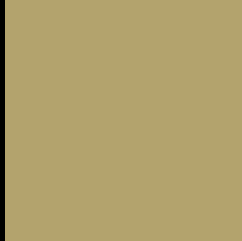
Large Text (above 18pt) WCAG AA × Fail

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 34.4479, 36.8822, 19.7714 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 34.4479, 36.8822, 19.7714

Background



This preview shows how black text looks on a background with the XYZ color 34.4479, 36.8822, 19.7714.



This preview shows how white text looks on a background with the XYZ color 34.4479, 36.8822,

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

34.4479, 36.8822, 19.7714

Protanopia

34.1672, 37.0022, 19.8093

Deuteranopia

37.4679, 36.6385, 19.8490



Tritanopia

38.9639, 36.9184, 42.1181

Trichromacy



Original Color

34.4479, 36.8822, 19.7714

Protanomaly

34.3959, 37.1200, 19.8200

Deuteranomaly

36.4478, 36.8692, 19.9473

Tritanomaly

37.1930, 36.9701, 32.7794

Monochromacy



Original Color

34.4479, 36.8822, 19.7714

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.0267, 36.1487, 31.1706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4479, 36.8822, 19.7714 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(179, 163, 109)` looks like.

```
.text, #text, p{  
    color:rgb(179, 163, 109)  
}
```

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(179, 163, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 163, 109) }
```

Border

The CSS property to change the border of an element to XYZ 34.4479, 36.8822, 19.7714 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(179, 163, 109) }
```


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

```
.border{ border-color:rgb(179, 163, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 163, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 163, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 163, 109);  
box-shadow:4px 4px 4px 4px rgb(179, 163,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4479, 36.8822, 19.7714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 163, 109) }
```

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

```
.background{ background-color: rgb(179,  
163, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor