

Converting Colors

XYZ(34.0164, 36.4898, 20.1250)

Have a look what the booklet for
XYZ(34.0164, 36.4898, 20.1250)
contains.

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Color

**XYZ(33.8663, 36.3136,
19.9761)**

Conversions

Conversions Part 1

Format	Color
Hex	B1A26E
RGB	177, 162, 110
RGB Percent	69%, 64%, 43%
CMY	0.3059, 0.3647, 0.5686
CMYK	0.00, 0.08, 0.38, 0.31
HSL	47°, 30%, 56%
HSV	47°, 38%, 69%
XYZ	33.8663, 36.3136, 19.9761
YIQ	160.5570, 25.6320, -12.9920

Conversions

Conversions Part 2

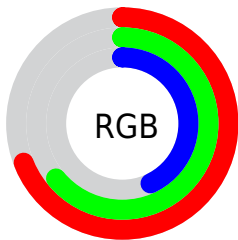
Format	Color
RYB	129, 177, 110
Decimal	11641454
CIELab	66.76, -2.25, 29.04
CIELCh	67, 29.131, 94.428
Yxy	36.3136, 0.3756, 0.4028
Android (android.graphics.Color)	4289831534 (0xFFB1A26E)
YUV	160.5570, -24.9246, 14.4205
Hunter-Lab	60.2608, -5.1401, 22.5282

Details

The XYZ color **33.8663, 36.3136, 19.9761** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.6997, 21.1559, 44.5348**, and the grayscale version is **33.7751, 35.5341, 38.6966**.

A 20% lighter version of the original color is **65.2661, 69.7268, 44.2011**, and **14.6951, 15.9168, 6.7126** is the 20% darker color. If you saturate the color by 10%, you get **32.3107, 34.5936, 15.1687**, and if you desaturate by 10%, it is **35.6382, 38.1580, 25.8061**.

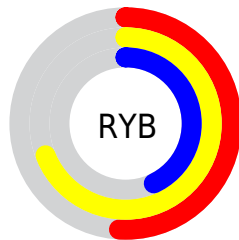
Distribution



Red (69%)

Green (64%)

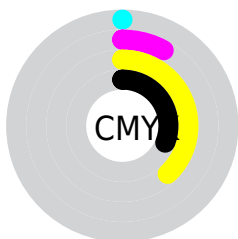
Blue (43%)



Red (51%)

Yellow (69%)

Blue (43%)

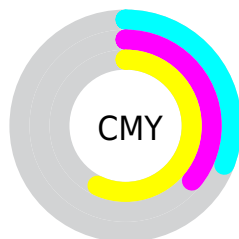


Cyan (0%)

Magenta (8%)

Yellow (38%)

Black (31%)



Cyan (31%)

Magenta (36%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8663, 36.3136, 19.9761 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 33.8663, 36.3136, 19.9761 by changing the saturation by 10% instead.

■ 33.8663, 36.3136,
19.9761

■ 33.8663, 36.3136,
19.9761

311.1319,
330.3292, 264.3857

■ 22.9533, 24.6765,
12.1938

■ 65.0714, 69.5158,
44.2356

■ 14.6795, 15.8362,
6.7516

■ 86.0942, 91.8497,
61.5498

■ 8.6796, 9.4083,
3.2312

■ 111.2176,
118.5180, 82.8783

■ 4.5882, 5.0085,
1.2139

■ 140.8070,
149.9051, 108.6398

■ 2.0400, 2.2522,
0.0000

175.2278,
186.3954, 139.2527

■ 0.6563, 0.7482,
0.0000

214.8453,

■ 0.0000, 0.0000,

228.3732, 175.1357

0.0000

260.0249,
276.2230, 216.7071

■ 33.8663, 36.3136,
19.9761

■ 33.8663, 36.3136,
19.9761

■ 32.3107, 34.5936,
15.1687

■ 35.6382, 38.1580,
25.8061

■ 30.9570, 32.9878,
11.3210

■ 37.6346, 40.1263,
32.7123

■ 29.7931, 31.4926,
8.3664


■ 39.8661, 42.2245,
40.7470


■ 28.8044, 30.1016,
6.2290


■ 42.3424, 44.4567,
49.9587


■ 27.9739, 28.8078,
4.8202


■ 45.0721, 46.8267,
60.3928

 27.2746, 27.6000,
3.9990

 48.0636, 49.3381,
72.0925

 27.1319, 27.3480,
3.8487

 51.3249, 51.9945,
85.0987

 54.8636, 54.7991,
99.4505

 56.2977, 56.7995,
102.6039

Harmonies

Analogous

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



38.2951, 36.3136, 21.4708



33.8663, 36.3136, 19.9761



29.9517, 36.3136, 22.7394

Triad

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



33.8663, 36.3136, 19.9761



27.9996, 36.3136, 54.8716



42.7181, 36.3136, 50.9406

Complementary

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



33.8663, 36.3136, 19.9761



21.6997, 21.1559, 44.5348

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.



39.5197, 36.3136, 63.0666



33.8663, 36.3136, 19.9761



30.9922, 36.3136, 65.6534

Square

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



33.8663, 36.3136, 19.9761



26.7523, 36.3136, 41.4385



35.1719, 36.3136, 68.9315



43.6505, 36.3136, 37.6991

Rectangle

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



33.8663, 36.3136, 19.9761



28.0840, 36.3136, 27.0587



35.1719, 36.3136, 68.9315



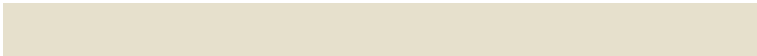
41.8597, 36.3136, 55.3661

Sweetspot

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



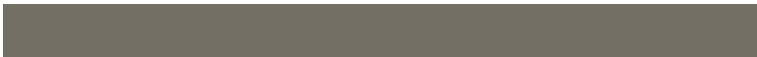
33.8672, 36.3153, 19.9769



70.0179, 74.3428, 67.9465



27.4499, 21.9963, 22.4142



15.0590, 16.0036, 14.3094



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.8672, 36.3153, 19.9769



58.4175, 62.5809, 28.8153



32.8614, 39.9548, 20.7324



9.0325, 9.5776, 9.0251



19.7047, 19.9080, 2.8041



0.6599, 0.7061, 0.1015

Inverse Universe

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



21.6997, 21.1559, 44.5348



33.6515, 31.7404, 78.8482



22.3941, 18.9055, 44.0639



8.1911, 8.5285, 10.7208



6.3288, 3.4580, 30.4709



0.2429, 0.1963, 0.9733

Previews

White Background



This preview shows how the XYZ color 33.8663, 36.3136, 19.9761 looks on a white background.

Color Contrast Check

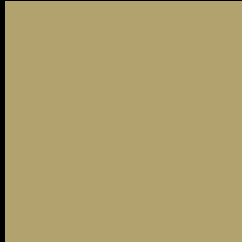
Large Text (above 18pt) WCAG AA × Fail

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 33.8663, 36.3136, 19.9761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

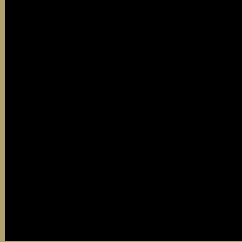
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8663, 36.3136, 19.9761

Background



This preview shows how black text looks on a background with the XYZ color 33.8663, 36.3136, 19.9761.



This preview shows how white text looks on a background with the XYZ color 33.8663, 36.3136,

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

33.8663, 36.3136, 19.9761

Protanopia

33.6393, 36.1966, 19.9655

Deuteranopia

36.8387, 36.0597, 20.0575



Tritanopia

38.2248, 36.3000, 41.5511

Trichromacy



Original Color

33.8663, 36.3136, 19.9761

Protanomaly

33.6393, 36.1966, 19.9655

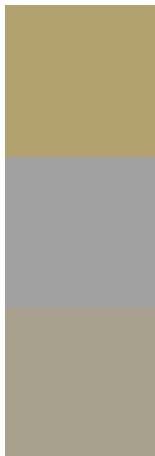
Deuteranomaly

35.8351, 36.2928, 20.1554

Tritanomaly

36.4712, 36.3528, 32.2887

Monochromacy



Original Color

33.8663, 36.3136, 19.9761

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.5637, 35.6582, 30.7049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8663, 36.3136, 19.9761 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(177, 162, 110)` looks like.

```
.text, #text, p{  
    color:rgb(177, 162, 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(177, 162, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 162, 110) }
```

Border

The CSS property to change the border of an element to XYZ 33.8663, 36.3136, 19.9761 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(177, 162, 110) }
```


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

```
.border{ border-color:rgb(177, 162, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 162, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 162, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 162, 110);  
box-shadow:4px 4px 4px 4px rgb(177, 162,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8663, 36.3136, 19.9761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 162, 110) }
```

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

```
.background{ background-color: rgb(177,  
162, 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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