

Converting Colors

XYZ(33.2355, 36.8735, 9.6550)

Have a look what the booklet for
XYZ(33.2355, 36.8735, 9.6550)
contains.

XYZ(33.1471, 36.7009, 9.6119)	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(33.1471, 36.7009,
9.6119)**

Conversions

Conversions Part 1

Format	Color
Hex	B5A43C
RGB	181, 164, 60
RGB Percent	71%, 64%, 24%
CMY	0.2902, 0.3568, 0.7647
CMYK	0.00, 0.09, 0.67, 0.29
HSL	52°, 50%, 47%
HSV	52°, 67%, 71%
XYZ	33.1471, 36.7009, 9.6119
YIQ	157.2270, 43.5160, -28.7400

Conversions

Conversions Part 2

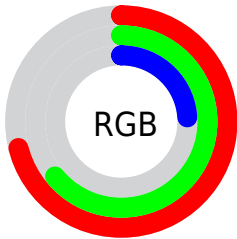
Format	Color
RYB	80, 181, 60
Decimal	11904060
CIELab	67.05, -6.04, 54.14
CIELCh	67, 54.476, 96.365
Yxy	36.7009, 0.4172, 0.4619
Android (android.graphics.Color)	4290094140 (0xFFB5A43C)
YUV	157.2270, -47.9329, 20.8489
Hunter-Lab	60.5813, -8.3508, 32.9999

Details

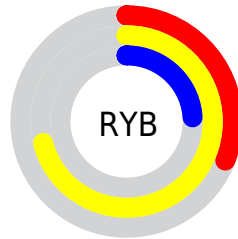
The XYZ color **33.1471, 36.7009, 9.6119** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.8578, 9.6044, 44.8919**, and the grayscale version is **32.3464, 34.0309, 37.0597**.

A 20% lighter version of the original color is **63.9088, 70.2060, 25.8055**, and **14.3626, 16.1702, 2.3642** is the 20% darker color. If you saturate the color by 10%, you get **32.2980, 35.6419, 7.3587**, and if you desaturate by 10%, it is **34.1707, 37.8470, 12.7313**.

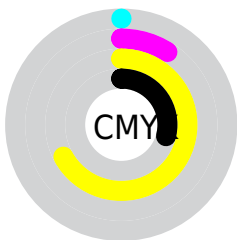
Distribution



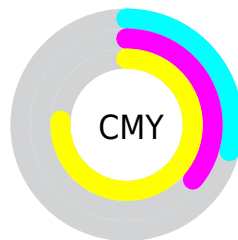
- Red (71%)
- Green (64%)
- Blue (24%)



- Red (31%)
- Yellow (71%)
- Blue (24%)



- Cyan (0%)
- Magenta (9%)
- Yellow (67%)
- Black (29%)





- Cyan (29%)
- Magenta (36%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1471, 36.7009, 9.6119 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 33.1471, 36.7009, 9.6119 by changing the saturation by 10% instead.


 33.1471, 36.7009,
9.6119


 33.1471, 36.7009,
9.6119


307.9653,
332.0138, 198.2624

 22.3989, 24.9760,
5.0402


 63.9583, 70.1125,
25.6592

 14.2686, 16.0592,
2.2117


 84.7520, 92.5680,
37.9719

 8.3906, 9.5660,
0.6811


 109.6249,
119.3692, 53.7020

 4.3998, 5.1122,
0.0000

 138.9424,
150.9004, 73.2680

 1.9307, 2.3132,
0.0000

 173.0698,
187.5461, 97.0885

 0.5946, 0.7807,
0.0000

212.3726,

 0.0000, 0.0000,

229.6906, 125.5821

0.0000

257.2160,
277.7184, 159.1672

■ 33.1471, 36.7009,
9.6119

■ 33.1471, 36.7009,
9.6119

■ 32.2980, 35.6419,
7.3587

■ 34.1707, 37.8470,
12.7313

■ 31.6032, 34.6577,
5.8774

■ 35.3812, 39.0812,
16.7940

■ 31.0392, 33.7403,
5.0404

■ 36.7930, 40.4105,
21.8710

■ 30.8736, 33.4589,
4.8310

■ 38.4181, 41.8400,
28.0257

■ 40.2676, 43.3742,
35.3167

■ 42.3520, 45.0172,
43.7979

■ 44.6809, 46.7731,
53.5202

■ 47.2633, 48.6455,
64.5313

■ 50.1080, 50.6380,
76.8764

Harmonies

Analogous

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



41.6649, 36.7009, 11.0489



33.1471, 36.7009, 9.6119



26.2669, 36.7009, 13.3370

Triad

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



33.1471, 36.7009, 9.6119



23.5666, 36.7009, 73.5627



51.6009, 36.7009, 61.1760

Complementary

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



33.1471, 36.7009, 9.6119



12.8578, 9.6044, 44.8919

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.



45.2033, 36.7009, 89.0872



33.1471, 36.7009, 9.6119



28.8803, 36.7009, 97.9982

Square

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



33.1471, 36.7009, 9.6119



21.3291, 36.7009, 45.2339



36.6787, 36.7009, 104.5861



53.2244, 36.7009, 35.1147

Rectangle

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



33.1471, 36.7009, 9.6119



23.2330, 36.7009, 19.6483



36.6787, 36.7009, 104.5861



49.8930, 36.7009, 70.9204

Sweetspot

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



33.1480, 36.7026, 9.6126



70.9178, 76.7034, 58.4638



22.0526, 13.6080, 8.7008



15.1297, 16.4141, 11.8546



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.



33.1480, 36.7026, 9.6126



57.2548, 63.0273, 11.8287



27.9287, 38.8327, 10.2989



9.0933, 9.6991, 9.0454



21.3219, 23.1423, 3.3431



0.6987, 0.7838, 0.1145

Inverse Universe

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



12.8578, 9.6044, 44.8919



18.5073, 11.3795, 79.5156



15.4759, 9.4136, 44.7171



8.1351, 8.4164, 10.7021



6.0270, 2.8544, 30.3703



0.2198, 0.1501, 0.9656

Previews

White Background



This preview shows how the XYZ color 33.1471, 36.7009, 9.6119 looks on a white background.

Color Contrast Check

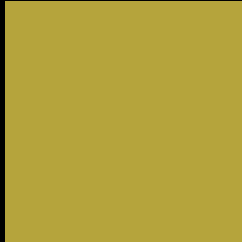
Large Text (above 18pt) WCAG AA × Fail

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 33.1471, 36.7009, 9.6119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

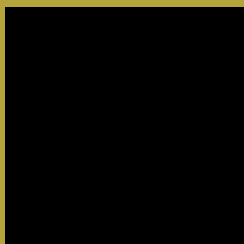
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1471, 36.7009, 9.6119

Background



This preview shows how black text looks on a background with the XYZ color 33.1471, 36.7009, 9.6119.



This preview shows how white text looks on a background with the XYZ color 33.1471, 36.7009,

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

33.1471, 36.7009, 9.6119

Protanopia

33.3825, 36.8222, 9.6229

Deuteranopia

37.2472, 36.4981, 9.7843



Tritanopia

39.5823, 36.7750, 40.6094

Trichromacy



Original Color

33.1471, 36.7009, 9.6119

Protanomaly

33.3825, 36.8222, 9.6229

Deuteranomaly

35.6020, 36.4036, 9.7076

Tritanomaly

36.5511, 36.5508, 25.2072

Monochromacy



Original Color

33.1471, 36.7009, 9.6119

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.8095, 34.6537, 23.4247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1471, 36.7009, 9.6119 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(181, 164, 60)` looks like.

```
.text, #text, p{  
    color:rgb(181, 164, 60)  
}
```

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(181, 164, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 164, 60) }
```

Border

The CSS property to change the border of an element to XYZ 33.1471, 36.7009, 9.6119 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(181, 164, 60) }
```


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

```
.border{ border-color:rgb(181, 164, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 164, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 164, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 164, 60);  
box-shadow:4px 4px 4px 4px rgb(181, 164,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1471, 36.7009, 9.6119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 164, 60) }
```

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

```
.background{ background-color: rgb(181,  
164, 60) }
```

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