

Converting Colors

XYZ(16.9930, 15.3470, 3.7357)

Have a look what the booklet for
XYZ(16.9930, 15.3470, 3.7357)
contains.

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Color

**XYZ(16.9930, 15.3470,
3.7357)**

Conversions

Conversions Part 1

Format	Color
Hex	946324
RGB	148, 99, 36
RGB Percent	58%, 39%, 14%
CMY	0.4196, 0.6117, 0.8588
CMYK	0.00, 0.33, 0.76, 0.42
HSL	34°, 61%, 36%
HSV	34°, 76%, 58%
XYZ	16.9930, 15.3470, 3.7357
YIQ	106.4690, 49.4270, -9.2050

Conversions

Conversions Part 2

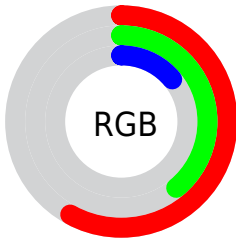
Format	Color
R_{YB}	123, 148, 36
Decimal	9724708
CIE Lab	46.11, 13.98, 42.09
CIE LCh	46, 44.351, 71.631
Yxy	15.3470, 0.4710, 0.4254
Android (android.graphics.Color)	4287914788 (0xFF946324)
YUV	106.4690, -34.7412, 36.4227
Hunter-Lab	39.1752, 8.8710, 21.7689

Details

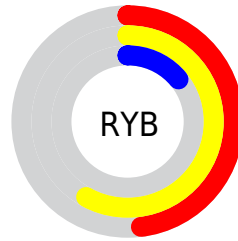
The XYZ color **16.9930, 15.3470, 3.7357** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.3211, 9.0096, 29.2644**, and the grayscale version is **13.9120, 14.6365, 15.9392**.

A 20% lighter version of the original color is **37.9996, 35.5904, 13.4612**, and **5.7422, 4.7831, 0.6206** is the 20% darker color. If you saturate the color by 10%, you get **16.2231, 14.0972, 2.5853**, and if you desaturate by 10%, it is **17.9063, 16.7341, 5.3954**.

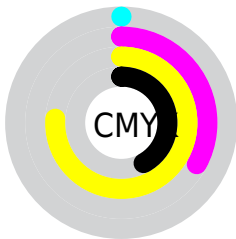
Distribution



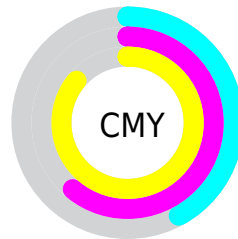
- Red (58%)
- Green (39%)
- Blue (14%)



- Red (48%)
- Yellow (58%)
- Blue (14%)



- Cyan (0%)
- Magenta (33%)
- Yellow (76%)
- Black (42%)



- Cyan (42%)
- Magenta (61%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9930, 15.3470, 3.7357 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 16.9930, 15.3470, 3.7357 by changing the saturation by 10% instead.

■ 16.9930, 15.3470,
3.7357

■ 16.9930, 15.3470,
3.7357

228.2891,
225.4570, 145.2408

■ 10.3248, 9.0633,
1.4815

■ 37.8574, 35.4608,
13.3955

■ 5.6787, 4.7825,
0.2041

■ 52.7844, 50.0596,
21.6381

■ 2.6895, 2.1202,
0.0000

■ 71.1949, 68.1990,
32.7140

■ 0.9918, 0.6760,
0.0000

■ 93.4544, 90.2632,
47.0416

■ 0.0000, 0.0000,
0.0000

■ 119.9282,
116.6368, 65.0396

■ 150.9817,

147.7040, 87.1264

186.9802,
183.8493, 113.7206

16.9930, 15.3470,
3.7357

16.9930, 15.3470,
3.7357

16.2231, 14.0972,
2.5853

17.9063, 16.7341,
5.3954

15.5799, 12.9744,
1.8670

18.9733, 18.2626,
7.6179

15.3254, 12.5215,
1.6091

20.2044, 19.9388,
10.4512

21.6086, 21.7682,
13.9374

23.1941, 23.7556,
18.1151

■ 24.9687, 25.9057,
23.0199

■ 26.9395, 28.2228,
28.6848

■ 29.1133, 30.7112,
35.1408

■ 31.4964, 33.3748,
42.4172

Harmonies

Analogous

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



20.7046, 15.3470, 6.3638



16.9930, 15.3470, 3.7357



13.1735, 15.3470, 3.5078

Triad

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



16.9930, 15.3470, 3.7357



8.5757, 15.3470, 21.2556



19.9528, 15.3470, 37.5302

Complementary

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



16.9930, 15.3470, 3.7357



9.3211, 9.0096, 29.2644

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.



16.0979, 15.3470, 46.4137



16.9930, 15.3470, 3.7357



9.8112, 15.3470, 34.6477

Square

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



16.9930, 15.3470, 3.7357



8.7314, 15.3470, 10.9838



12.4193, 15.3470, 45.1767



22.6060, 15.3470, 24.1449

Rectangle

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



16.9930, 15.3470, 3.7357



11.1054, 15.3470, 4.5330



12.4193, 15.3470, 45.1767



18.7290, 15.3470, 41.3569

Sweetspot

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



16.9934, 15.3478, 3.7360



41.5898, 42.7314, 33.7679



14.5394, 8.2361, 9.7124



9.2682, 9.4770, 7.0968



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.9934, 15.3478, 3.7360



27.7955, 23.4377, 3.5980



22.1322, 27.0931, 5.7322



6.0552, 6.3241, 6.1420



13.1179, 10.7503, 1.3836



0.1900, 0.1904, 0.0267

Inverse Universe

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



9.3211, 9.0096, 29.2644



13.6114, 11.7836, 50.9916



6.9148, 3.8838, 28.4019



5.6957, 6.0255, 7.3326



6.1941, 5.0831, 24.5857



0.1043, 0.1192, 0.3104

Previews

White Background



This preview shows how the XYZ color 16.9930, 15.3470, 3.7357 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 16.9930, 15.3470, 3.7357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9930, 15.3470, 3.7357

Background



This preview shows how black text looks on a background with the XYZ color 16.9930, 15.3470, 3.7357.



This preview shows how white text looks on a background with the XYZ color 16.9930, 15.3470,

3.7357.

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

16.9930, 15.3470, 3.7357

Protanopia

14.1105, 15.5093, 4.1693

Deuteranopia

15.5556, 15.3345, 3.6534



Tritanopia

19.1635, 15.4242, 14.0237

Trichromacy



Original Color

16.9930, 15.3470, 3.7357

Protanomaly

15.0196, 15.3535, 4.0056

Deuteranomaly

16.0392, 15.2868, 3.6954

Tritanomaly

18.1943, 15.2995, 9.0153

Monochromacy



Original Color

16.9930, 15.3470, 3.7357

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.2206, 14.3595, 9.8067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9930, 15.3470, 3.7357 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(148, 99, 36)` looks like.

```
.text, #text, p{  
    color:rgb(148, 99, 36)  
}
```

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(148, 99, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 99, 36) }
```

Border

The CSS property to change the border of an element to XYZ 16.9930, 15.3470, 3.7357 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(148, 99, 36) }
```


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

```
.border{ border-color:rgb(148, 99, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 99, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 99, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 99, 36);  
box-shadow:4px 4px 4px 4px rgb(148, 99,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9930, 15.3470, 3.7357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 99, 36) }
```

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

```
.background{ background-color: rgb(148, 99,  
36) }
```

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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