

Converting Colors

XYZ(32.0287, 33.9430, 4.8636)

Have a look what the booklet for
XYZ(32.0287, 33.9430, 4.8636)
contains.

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Color

**XYZ(31.9710, 33.8818,
4.8548)**

Conversions

Conversions Part 1

Format	Color
Hex	BA9B00
RGB	186, 155, 0
RGB Percent	73%, 61%, 0%
CMY	0.2706, 0.3921, 0.9999
CMYK	0.00, 0.17, 1.00, 0.27
HSL	50°, 100%, 36%
HSV	50°, 100%, 73%
XYZ	31.9710, 33.8818, 4.8548
YIQ	146.5990, 68.2310, -41.6330

Conversions

Conversions Part 2

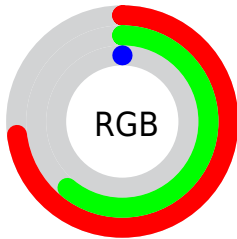
Format	Color
R _Y B	37, 186, 0
Decimal	12229376
CIE Lab	64.87, -0.84, 68.51
CIE LCh	65, 68.514, 90.704
Yxy	33.8818, 0.4522, 0.4792
Android (android.graphics.Color)	4290419456 (0xFFBA9B00)
YUV	146.5990, -72.2733, 34.5547
Hunter-Lab	58.2081, -3.8223, 35.8006

Details

The XYZ color **31.9710, 33.8818, 4.8548** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.3532, 4.5256, 46.8344**, and the grayscale version is **27.8380, 29.2878, 31.8944**.

A 20% lighter version of the original color is **62.0425, 65.6882, 15.8877**, and **13.8524, 14.4898, 2.0667** is the 20% darker color. If you saturate the color by 10%, you get **31.9713, 33.8826, 4.8549**, and if you desaturate by 10%, it is **32.6085, 34.9742, 5.6310**.

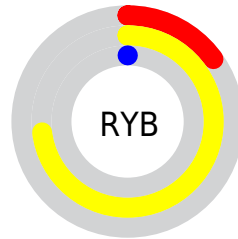
Distribution



Red (73%)

Green (61%)

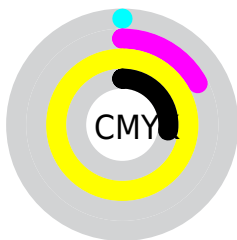
Blue (0%)



Red (15%)

Yellow (73%)

Blue (0%)

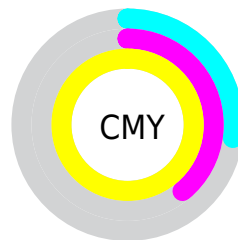


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9710, 33.8818, 4.8548 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 31.9710, 33.8818, 4.8548 by changing the saturation by 10% instead.


 31.9710, 33.8818,
4.8548


 31.9710, 33.8818,
4.8548


302.7348,
319.6047, 157.2992

 21.4948, 22.8028,
2.1051


 62.1311, 65.7498,
15.9376


 13.6007, 14.4480,
0.6188


 82.5457, 87.3076,
25.1077


 7.9233, 8.4329,
0.0000


 107.0039,
113.1272, 37.2551

 4.0973, 4.3732,
0.0000

 135.8709,
143.5928, 52.7982

 1.7573, 1.8844,
0.0000

 169.5121,
179.0890, 72.1557

 0.4918, 0.5390,
0.0000

 208.2930,

 0.0000, 0.0000,

220.0001, 95.7460

0.0000

252.5787,
266.7106, 123.9876

31.9710, 33.8818,
4.8548

31.9710, 33.8818,
4.8548

31.9713, 33.8826,
4.8549

32.6085, 34.9742,
5.6310

33.3674, 36.1352,
6.9840

34.2887, 37.3826,
9.1259

35.3923, 38.7246,
12.1611

36.6951, 40.1681,
16.1782

■ 38.2121, 41.7191,
21.2552

■ 39.9565, 43.3833,
27.4621

■ 41.9407, 45.1656,
34.8629

■ 44.1760, 47.0708,
43.5170

Harmonies

Analogous

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



42.4181, 33.8818, 6.8846



31.9710, 33.8818, 4.8548



23.4482, 33.8818, 7.1050

Triad

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



31.9710, 33.8818, 4.8548



18.4800, 33.8818, 72.2101



51.7654, 33.8818, 70.4151

Complementary

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



31.9710, 33.8818, 4.8548



9.3532, 4.5256, 46.8344

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.



42.9053, 33.8818, 106.1919



31.9710, 33.8818, 4.8548



23.7766, 33.8818, 107.5490

Square

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



31.9710, 33.8818, 4.8548



16.7030, 33.8818, 37.5634



32.4374, 33.8818, 122.3685



55.1682, 33.8818, 36.2277

Rectangle

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



31.9710, 33.8818, 4.8548



19.6300, 33.8818, 12.0553



32.4374, 33.8818, 122.3685



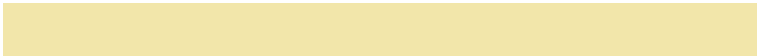
49.2480, 33.8818, 83.1663

Sweetspot

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



31.9718, 33.8834, 4.8555



72.2549, 78.4787, 49.1594



20.4971, 10.5383, 2.2509



15.6073, 16.9962, 9.7290



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.9718, 33.8834, 4.8555



57.7962, 61.1062, 8.7485



25.8715, 39.4028, 6.2423



9.6194, 10.2417, 9.5768



21.5566, 22.8896, 3.2820



0.7942, 0.8754, 0.1271

Inverse Universe

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



9.3532, 4.5256, 46.8344



16.8359, 7.9685, 84.8521



10.8501, 4.5699, 46.7640



8.6388, 8.9549, 11.3526



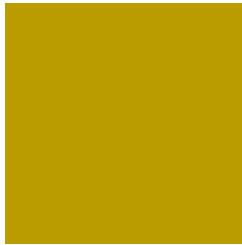
6.3304, 3.1204, 31.5217



0.2609, 0.1856, 1.1238

Previews

White Background



This preview shows how the XYZ color 31.9710, 33.8818, 4.8548 looks on a white background.

Color Contrast Check

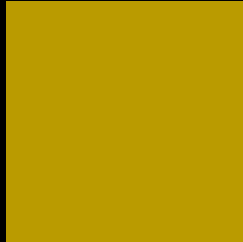
Large Text (above 18pt) WCAG AA × Fail

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 31.9710, 33.8818, 4.8548 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 31.9710, 33.8818, 4.8548

Background



This preview shows how black text looks on a background with the XYZ color 31.9710, 33.8818, 4.8548.

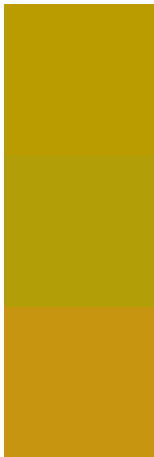


This preview shows how white text looks on a background with the XYZ color 31.9710, 33.8818,

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

31.9710, 33.8818, 4.8548

Protanopia

30.6253, 33.9340, 5.1368

Deuteranopia

34.3942, 33.6744, 5.1773



Tritanopia

38.1378, 33.7824, 35.5209

Trichromacy



Original Color

31.9710, 33.8818, 4.8548

Protanomaly

31.1349, 33.9465, 5.0262

Deuteranomaly

33.3695, 33.6245, 5.0186

Tritanomaly

34.3279, 33.1570, 16.3951

Monochromacy



Original Color

31.9710, 33.8818, 4.8548

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.6247, 30.1979, 14.9625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9710, 33.8818, 4.8548 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(186, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 155, 0)  
}
```

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(186, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 155, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.9710, 33.8818, 4.8548 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(186, 155, 0) }
```


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

```
.border{ border-color:rgb(186, 155, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 155, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 155,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9710, 33.8818, 4.8548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 155, 0) }
```

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

```
.background{ background-color: rgb(186,  
155, 0) }
```

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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