

Converting Colors

XYZ(30.8823, 32.7737, 7.4623)

Have a look what the booklet for
XYZ(30.8823, 32.7737, 7.4623)
contains.

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Color

**XYZ(30.9808, 32.8196,
7.4983)**

Conversions

Conversions Part 1

Format	Color
Hex	B59930
RGB	181, 153, 48
RGB Percent	71%, 60%, 19%
CMY	0.2902, 0.4000, 0.8117
CMYK	0.00, 0.15, 0.73, 0.29
HSL	47°, 58%, 45%
HSV	47°, 73%, 71%
XYZ	30.9808, 32.8196, 7.4983
YIQ	149.4020, 50.3930, -26.7190

Conversions

Conversions Part 2

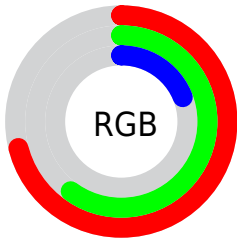
Format	Color
R _Y B	83, 181, 48
Decimal	11901232
CIE Lab	64.01, -0.79, 55.98
CIE LCh	64, 55.984, 90.806
Yxy	32.8196, 0.4345, 0.4603
Android (android.graphics.Color)	4290091312 (0xFFB59930)
YUV	149.4020, -49.9912, 27.7114
Hunter-Lab	57.2884, -3.7243, 32.3416

Details

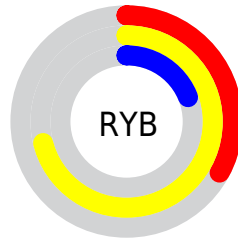
The XYZ color **30.9808, 32.8196, 7.4983** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.1439, 9.1333, 44.8387**, and the grayscale version is **28.9268, 30.4332, 33.1418**.

A 20% lighter version of the original color is **60.5970, 64.0905, 21.4888**, and **13.0636, 13.7878, 1.9728** is the 20% darker color. If you saturate the color by 10%, you get **30.0674, 31.4736, 5.7122**, and if you desaturate by 10%, it is **32.0680, 34.2696, 10.0949**.

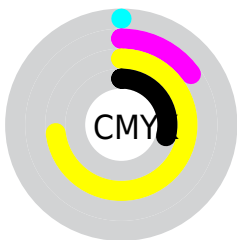
Distribution



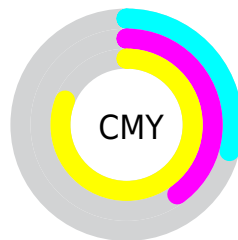
- Red (71%)
- Green (60%)
- Blue (19%)



- Red (33%)
- Yellow (71%)
- Blue (19%)



- Cyan (0%)
- Magenta (15%)
- Yellow (73%)
- Black (29%)





- Cyan (29%)
- Magenta (40%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9808, 32.8196, 7.4983 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 30.9808, 32.8196, 7.4983 by changing the saturation by 10% instead.


 30.9808, 32.8196,
7.4983


 30.9808, 32.8196,
7.4983


298.2783,
314.8361, 181.5273

 20.7360, 21.9883,
3.6925


 60.5859, 64.0938,
21.4986

 13.0425, 13.8483,
1.4582


 80.6769, 85.3054,
32.5301

 7.5350, 8.0152,
0.1865


 104.7806,
110.7460, 46.8073

 3.8482, 4.1047,
0.0000

 133.2625,
140.7998, 64.7488

 1.6166, 1.7323,
0.0000

 166.4878,
175.8514, 86.7729

 0.4032, 0.4444,
0.0000

 204.8220,

 0.0000, 0.0000,

216.2850, 113.2984

0.0000

248.6304,
262.4851, 144.7437

■ 30.9808, 32.8196,
7.4983

■ 30.9808, 32.8196,
7.4983

■ 30.0674, 31.4736,
5.7122

■ 32.0680, 34.2696,
10.0949

■ 29.3054, 30.2184,
4.6298

■ 33.3436, 35.8257,
13.5871

■ 28.8634, 29.4387,
4.1610

■ 34.8227, 37.4958,
18.0516

■ 36.5185, 39.2852,
23.5561

■ 38.4428, 41.1991,
30.1625

■ 40.6067, 43.2420,
37.9275

■ 43.0203, 45.4184,
46.9042

■ 45.6932, 47.7323,
57.1422

■ 48.6345, 50.1876,
68.6885

Harmonies

Analogous

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



39.2056, 32.8196, 9.6220



30.9808, 32.8196, 7.4983



24.0432, 32.8196, 9.8795

Triad

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



30.9808, 32.8196, 7.4983



19.8813, 32.8196, 62.9664



46.4229, 32.8196, 61.4324

Complementary

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



30.9808, 32.8196, 7.4983



12.1439, 9.1333, 44.8387

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.



39.6383, 32.8196, 87.6384



30.9808, 32.8196, 7.4983



24.3558, 32.8196, 88.7563

Square

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



30.9808, 32.8196, 7.4983



18.3369, 32.8196, 36.3506



31.4083, 32.8196, 99.2736



48.9817, 32.8196, 35.1263

Rectangle

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



30.9808, 32.8196, 7.4983



20.8401, 32.8196, 14.6902



31.4083, 32.8196, 99.2736



44.5101, 32.8196, 70.8806

Sweetspot

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



30.9816, 32.8212, 7.4990



69.2598, 74.1821, 55.4614



21.4463, 12.4712, 8.2647



14.7601, 15.8304, 11.2521



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.



30.9816, 32.8212, 7.4990



53.0027, 55.0032, 8.9313



28.4401, 39.1290, 8.8504



9.0422, 9.5969, 9.0283



19.9493, 20.3972, 2.8856



0.6658, 0.7181, 0.1035

Inverse Universe

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



12.1439, 9.1333, 44.8387



17.7128, 10.8083, 79.4472



13.2065, 7.4140, 44.4508



8.1821, 8.5105, 10.7178



6.2718, 3.3440, 30.4519



0.2392, 0.1889, 0.9721

Previews

White Background



This preview shows how the XYZ color 30.9808, 32.8196, 7.4983 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 30.9808, 32.8196, 7.4983 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 30.9808, 32.8196, 7.4983

Background



This preview shows how black text looks on a background with the XYZ color 30.9808, 32.8196, 7.4983.

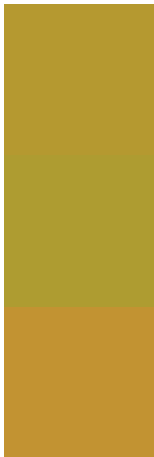


This preview shows how white text looks on a background with the XYZ color 30.9808, 32.8196,

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

30.9808, 32.8196, 7.4983

Protanopia

29.8984, 32.9974, 7.6990

Deuteranopia

33.2576, 32.5671, 7.5508



Tritanopia

36.6415, 32.7968, 34.9711

Trichromacy



Original Color

30.9808, 32.8196, 7.4983

Protanomaly

30.4072, 33.0116, 7.6750

Deuteranomaly

32.2881, 32.5355, 7.4839

Tritanomaly

33.7779, 32.5443, 20.7211

Monochromacy



Original Color

30.9808, 32.8196, 7.4983

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.5289, 30.5596, 19.7242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9808, 32.8196, 7.4983 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, 153, 48)` looks like.

```
.text, #text, p{  
    color:rgb(181, 153, 48)  
}
```

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, 153, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 153, 48) }
```

Border

The CSS property to change the border of an element to XYZ 30.9808, 32.8196, 7.4983 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, 153, 48) }
```


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

```
.border{ border-color:rgb(181, 153, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 153, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 153, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 153, 48);  
box-shadow:4px 4px 4px 4px rgb(181, 153,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9808, 32.8196, 7.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 153, 48) }
```

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

```
.background{ background-color: rgb(181,  
153, 48) }
```

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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