

Converting Colors

XYZ(30.9743, 32.8080, 4.1834)

Have a look what the booklet for
XYZ(30.9743, 32.8080, 4.1834)
contains.

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Color

**XYZ(31.1584, 32.9728,
4.7222)**

Conversions

Conversions Part 1

Format	Color
Hex	B89900
RGB	184, 153, 0
RGB Percent	72%, 60%, 0%
CMY	0.2784, 0.4000, 0.9999
CMYK	0.00, 0.17, 1.00, 0.28
HSL	50°, 100%, 36%
HSV	50°, 100%, 72%
XYZ	31.1584, 32.9728, 4.7222
YIQ	144.8270, 67.5890, -41.0110

Conversions

Conversions Part 2

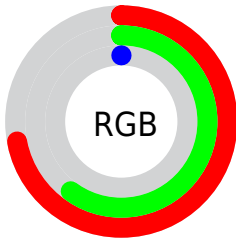
Format	Color
R _Y B	37, 184, 0
Decimal	12097792
CIE Lab	64.14, -0.67, 67.90
CIE LCh	64, 67.906, 90.563
Yxy	32.9728, 0.4525, 0.4789
Android (android.graphics.Color)	4290287872 (0xFFB89900)
YUV	144.8270, -71.3997, 34.3547
Hunter-Lab	57.4219, -3.6304, 35.3195

Details

The XYZ color **31.1584, 32.9728, 4.7222** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.1421, 4.4412, 45.7224**, and the grayscale version is **27.1064, 28.5180, 31.0561**.

A 20% lighter version of the original color is **60.8571, 64.3532, 15.6925**, and **13.4544, 14.1361, 2.0194** is the 20% darker color. If you saturate the color by 10%, you get **31.1587, 32.9736, 4.7223**, and if you desaturate by 10%, it is **31.7857, 34.0474, 5.4867**.

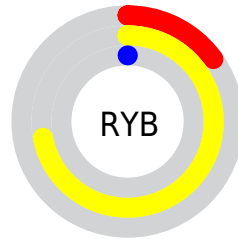
Distribution



Red (72%)

Green (60%)

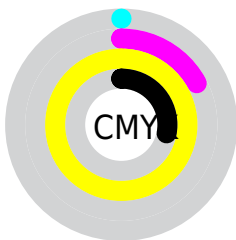
Blue (0%)



Red (15%)

Yellow (72%)

Blue (0%)

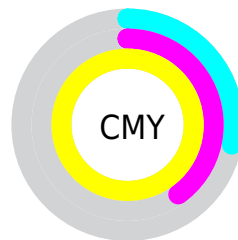


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1584, 32.9728, 4.7222 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 31.1584, 32.9728, 4.7222 by changing the saturation by 10% instead.

■ 31.1584, 32.9728,
4.7222

■ 31.1584, 32.9728,
4.7222

299.0813,
315.5272, 155.9430

■ 20.8719, 22.1056,
2.0293

■ 60.8635, 64.3331,
15.6438

■ 13.1423, 13.9345,
0.5732

■ 81.0129, 85.5949,
24.7096

■ 7.6043, 8.0751,
0.0000

■ 105.1805,
111.0905, 36.7369

■ 3.8925, 4.1431,
0.0000

■ 133.7319,
141.2041, 52.1441

■ 1.6415, 1.7539,
0.0000

■ 167.0323,
176.3202, 71.3497

■ 0.4192, 0.4582,
0.0000

■ 205.4471,

■ 0.0000, 0.0000,

216.8231, 94.7724

0.0000

249.3416,
263.0973, 122.8306

31.1584, 32.9728,
4.7222

31.1584, 32.9728,
4.7222

31.1587, 32.9736,
4.7223

31.7857, 34.0474,
5.4867

32.5313, 35.1893,
6.8126

33.4357, 36.4161,
8.9082

34.5181, 37.7356,
11.8750

35.7951, 39.1547,
15.7994

■ 37.2812, 40.6793,
20.7573

■ 38.9893, 42.3147,
26.8167

■ 40.9314, 44.0658,
34.0401

■ 43.1185, 45.9372,
42.4851

Harmonies

Analogous

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



41.3292, 32.9728, 6.7185



31.1584, 32.9728, 4.7222



22.8496, 32.9728, 6.8901

Triad

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



31.1584, 32.9728, 4.7222



17.9667, 32.9728, 70.1041



50.3493, 32.9728, 68.7061

Complementary

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



31.1584, 32.9728, 4.7222



9.1421, 4.4412, 45.7224

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.



41.7086, 32.9728, 103.4902



31.1584, 32.9728, 4.7222



23.1054, 32.9728, 104.5473

Square

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



31.1584, 32.9728, 4.7222



16.2528, 32.9728, 36.4244



31.5216, 32.9728, 119.1057



53.6926, 32.9728, 35.3842

Rectangle

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



31.1584, 32.9728, 4.7222



19.1226, 32.9728, 11.6820



31.5216, 32.9728, 119.1057



47.8913, 32.9728, 81.1163

Sweetspot

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



31.1591, 32.9744, 4.7228



70.5114, 76.5514, 48.0028



20.0522, 10.3046, 2.4263



14.9126, 16.2311, 9.3134



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.1591, 32.9744, 4.7228



56.3305, 59.4670, 8.5093



25.7059, 38.6964, 6.1147



9.6180, 10.2389, 9.5763



21.5193, 22.8149, 3.2695



0.7931, 0.8733, 0.1268

Inverse Universe

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



9.1421, 4.4412, 45.7224



16.4553, 7.8168, 82.8461



10.4128, 4.3688, 45.6415



8.6401, 8.9575, 11.3530



6.3366, 3.1329, 31.5238



0.2615, 0.1867, 1.1240

Previews

White Background



This preview shows how the XYZ color 31.1584, 32.9728, 4.7222 looks on a white background.

Color Contrast Check

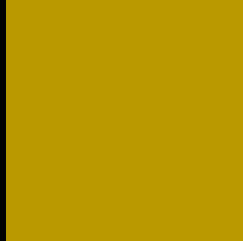
Large Text (above 18pt) WCAG AA × Fail

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 31.1584, 32.9728, 4.7222 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 31.1584, 32.9728, 4.7222

Background



This preview shows how black text looks on a background with the XYZ color 31.1584, 32.9728, 4.7222.



This preview shows how white text looks on a background with the XYZ color 31.1584, 32.9728,

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

31.1584, 32.9728, 4.7222

Protanopia

29.8313, 33.0224, 5.0027

Deuteranopia

33.7094, 33.0875, 5.1001



Tritanopia

37.1610, 32.8524, 34.5195

Trichromacy



Original Color

31.1584, 32.9728, 4.7222

Protanomaly

30.3337, 33.0352, 4.8925

Deuteranomaly

32.6994, 33.0411, 4.9413

Tritanomaly

33.4228, 32.2397, 15.7706

Monochromacy



Original Color

31.1584, 32.9728, 4.7222

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.8197, 29.3234, 14.3717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1584, 32.9728, 4.7222 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(184, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 153, 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(184, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.1584, 32.9728, 4.7222 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(184, 153, 0) }
```


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

```
.border{ border-color:rgb(184, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 153,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1584, 32.9728, 4.7222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 153, 0) }
```

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

```
.background{ background-color: rgb(184,  
153, 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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