

Converting Colors

XYZ(47.7039, 50.7887, 32.4884)

Have a look what the booklet for
XYZ(47.7039, 50.7887, 32.4884)
contains.

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Color

**XYZ(47.6928, 50.7269,
32.4769)**

Conversions

Conversions Part 1

Format	Color
Hex	CCBC8D
RGB	204, 188, 141
RGB Percent	80%, 74%, 55%
CMY	0.2000, 0.2627, 0.4471
CMYK	0.00, 0.08, 0.31, 0.20
HSL	45°, 38%, 68%
HSV	45°, 31%, 80%
XYZ	47.6928, 50.7269, 32.4769
YIQ	187.4260, 24.6230, -11.2250

Conversions

Conversions Part 2

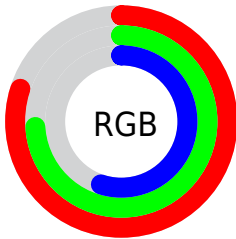
Format	Color
RYB	162, 204, 141
Decimal	13417613
CIELab	76.51, -1.44, 25.88
CIELCh	77, 25.917, 93.192
Yxy	50.7269, 0.3644, 0.3875
Android (android.graphics.Color)	4291607693 (0xFFCCBC8D)
YUV	187.4260, -22.8880, 14.5354
Hunter-Lab	71.2228, -5.1113, 22.8203

Details

The XYZ color **47.6928, 50.7269, 32.4769** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.9404, 34.1354, 61.9269**, and the grayscale version is **47.5914, 50.0699, 54.5261**.

A 20% lighter version of the original color is **83.4410, 89.9015, 64.5847**, and **22.9039, 24.4557, 13.1861** is the 20% darker color. If you saturate the color by 10%, you get **45.2263, 48.0033, 24.8432**, and if you desaturate by 10%, it is **50.4813, 53.6465, 41.5984**.

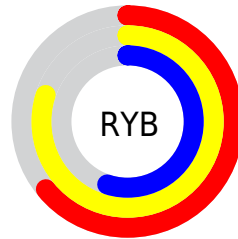
Distribution



Red (80%)

Green (74%)

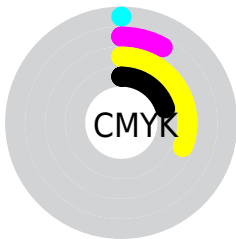
Blue (55%)



Red (64%)

Yellow (80%)

Blue (55%)

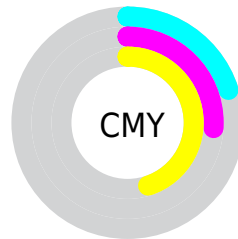


Cyan (0%)

Magenta (8%)

Yellow (31%)

Black (20%)



Cyan (20%)

Magenta (26%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6928, 50.7269, 32.4769 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 47.6928, 50.7269, 32.4769 by changing the saturation by 10% instead.

■ 47.6928, 50.7269,
32.4769

■ 47.6928, 50.7269,
32.4769

368.1761,
389.5018, 327.8454

■ 33.7939, 35.9913,
21.4582

■ 85.9593, 91.2510,
64.6645

■ 22.8975, 24.4275,
13.2648

■ 111.0576,
117.8082, 86.6706

■ 14.6381, 15.6510,
7.4783

■ 140.6198,
149.0748, 113.1761

■ 8.6504, 9.2776,
3.6800

175.0112,
185.4352, 144.5997

■ 4.5692, 4.9227,
1.4515

214.5972,
227.2736, 181.3599

■ 2.0289, 2.2020,
0.1814

259.7431,

■ 0.6501, 0.7211,

274.9746, 223.8752

0.0000

310.8142,
328.9226, 272.5642

■ 0.0000, 0.0000,
0.0000

■ 47.6928, 50.7269,
32.4769

■ 47.6928, 50.7269,
32.4769

■ 45.2263, 48.0033,
24.8432

■ 50.4813, 53.6465,
41.5984

■ 43.0620, 45.4616,
18.6132

■ 53.6024, 56.7615,
52.2796

■ 41.1841, 43.0967,
13.6989

■ 57.0711, 60.0804,
64.5912

■ 39.5732, 40.9002,
10.0013

■ 60.9002, 63.6089,
78.5989

■ 38.2075, 38.8626,
7.4071

■ 65.1018, 67.3524,
94.3646

■ 37.0609, 36.9728,
5.7815

■ 68.3049, 70.7633,
104.6664

■ 36.1635, 35.3606,
4.9193

■ 69.6779, 73.5094,
105.1241

■ 71.0934, 76.3404,
105.5959

■ 72.5517, 79.2570,
106.0820

Harmonies

Analogous

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



52.5796, 50.7269, 34.5198



47.6928, 50.7269, 32.4769



43.2489, 50.7269, 35.6274

Triad

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



47.6928, 50.7269, 32.4769



40.7676, 50.7269, 71.3218



57.1009, 50.7269, 68.2867

Complementary

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



47.6928, 50.7269, 32.4769



33.9404, 34.1354, 61.9269

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.



53.5461, 50.7269, 80.9654



47.6928, 50.7269, 32.4769



44.0977, 50.7269, 82.9155

Square

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



47.6928, 50.7269, 32.4769



39.4242, 50.7269, 56.7458



48.7398, 50.7269, 86.7108



58.2228, 50.7269, 53.7473

Rectangle

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



47.6928, 50.7269, 32.4769



41.0726, 50.7269, 40.6219



48.7398, 50.7269, 86.7108



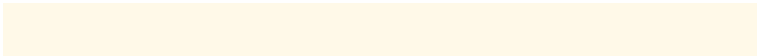
56.1395, 50.7269, 72.9846

Sweetspot

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



47.6941, 50.7292, 32.4780



89.7418, 94.9475, 89.9780



40.5815, 34.3495, 36.7494



19.0345, 20.1535, 18.6502



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.6941, 50.7292, 32.4780



76.2307, 80.9979, 45.1730



47.4617, 55.9663, 33.5011



11.9033, 12.5956, 11.8833



22.8395, 22.4119, 3.1222



1.2367, 1.2731, 0.1806

Inverse Universe

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



33.9404, 34.1354, 61.9269



49.9440, 49.2937, 101.4900



34.0768, 30.4481, 61.2079



10.8294, 11.2992, 14.1806



7.6909, 4.4058, 36.4013



0.4593, 0.3524, 1.8987

Previews

White Background



This preview shows how the XYZ color 47.6928, 50.7269, 32.4769 looks on a white background.

Color Contrast Check

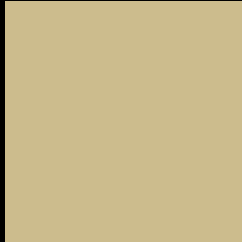
Large Text (above 18pt) WCAG AA × Fail

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 47.6928, 50.7269, 32.4769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

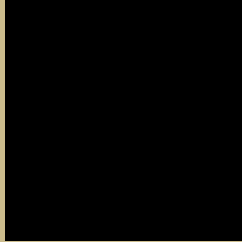
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6928, 50.7269, 32.4769

Background



This preview shows how black text looks on a background with the XYZ color 47.6928, 50.7269, 32.4769.



This preview shows how white text looks on a background with the XYZ color 47.6928, 50.7269,

32.4769.

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

47.6928, 50.7269, 32.4769

Protanopia

47.3624, 50.8748, 32.5229

Deuteranopia

51.5306, 50.5303, 32.6286



Tritanopia

52.9525, 50.6895, 58.6229

Trichromacy



Original Color

47.6928, 50.7269, 32.4769

Protanomaly

47.6339, 51.0148, 32.5356

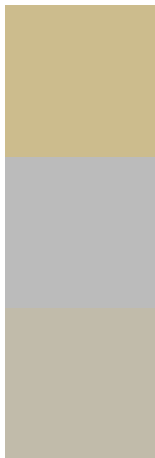
Deuteranomaly

50.0473, 50.6810, 32.7358

Tritanomaly

50.8908, 50.7860, 47.6779

Monochromacy



Original Color

47.6928, 50.7269, 32.4769

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.0183, 49.7804, 45.1607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6928, 50.7269, 32.4769 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(204, 188, 141)` looks like.

```
.text, #text, p{  
    color:rgb(204, 188, 141)  
}
```

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(204, 188, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 188, 141) }
```

Border

The CSS property to change the border of an element to XYZ 47.6928, 50.7269, 32.4769 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(204, 188, 141) }
```


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

```
.border{ border-color:rgb(204, 188, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 188, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 188, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 188, 141);  
box-shadow:4px 4px 4px 4px rgb(204, 188,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6928, 50.7269, 32.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 188, 141) }
```

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

```
.background{ background-color: rgb(204,  
188, 141) }
```

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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