

Converting Colors

XYZ(47.6704, 50.1812, 32.8157)

Have a look what the booklet for
XYZ(47.6704, 50.1812, 32.8157)
contains.

XYZ(47.6182, 50.0499, 32.7420)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.6182, 50.0499,
32.7420)**

Conversions

Conversions Part 1

Format	Color
Hex	CDBA8E
RGB	205, 186, 142
RGB Percent	80%, 73%, 56%
CMY	0.1961, 0.2706, 0.4431
CMYK	0.00, 0.09, 0.31, 0.20
HSL	42°, 39%, 68%
HSV	42°, 31%, 80%
XYZ	47.6182, 50.0499, 32.7420
YIQ	186.6650, 25.4480, -9.6560

Conversions

Conversions Part 2

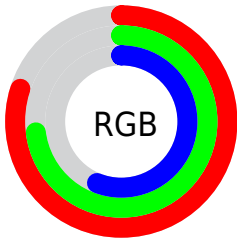
Format	Color
RYB	169, 205, 142
Decimal	13482638
CIELab	76.10, 0.13, 24.80
CIELCh	76, 24.801, 89.696
Yxy	50.0499, 0.3651, 0.3838
Android (android.graphics.Color)	4291672718 (0xFFCDBA8E)
YUV	186.6650, -22.0198, 16.0798
Hunter-Lab	70.7460, -3.6593, 22.0821

Details

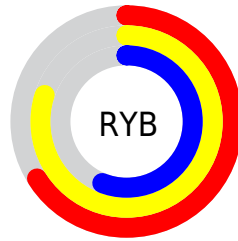
The XYZ color **47.6182, 50.0499, 32.7420** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.9193, 35.6473, 62.7979**, and the grayscale version is **47.1564, 49.6122, 54.0277**.

A 20% lighter version of the original color is **82.9559, 88.7498, 64.9827**, and **22.8535, 24.0144, 13.3283** is the 20% darker color. If you saturate the color by 10%, you get **44.9447, 46.9435, 24.9430**, and if you desaturate by 10%, it is **50.6337, 53.3868, 42.0527**.

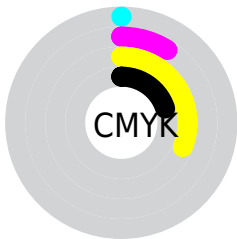
Distribution



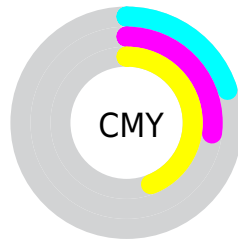
- Red (80%)
- Green (73%)
- Blue (56%)



- Red (66%)
- Yellow (80%)
- Blue (56%)



- Cyan (0%)
- Magenta (9%)
- Yellow (31%)
- Black (20%)





- Cyan (20%)
- Magenta (27%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6182, 50.0499, 32.7420 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 47.6182, 50.0499, 32.7420 by changing the saturation by 10% instead.

 47.6182, 50.0499,
32.7420


 47.6182, 50.0499,
32.7420


367.8846,
386.8610, 329.0819

 33.7346, 35.4530,
21.6594


 85.8488, 90.2488,
65.0839

 22.8517, 24.0121,
13.4109


 110.9266,
116.6197, 87.1802

 14.6042, 15.3426,
7.5781


140.4664,
147.6839, 113.7849

 8.6265, 9.0602,
3.7423

174.8337,
183.8261, 145.3164

 4.5536, 4.7804,
1.4851

214.3938,
225.4305, 182.1933

 2.0198, 2.1190,
0.2068

259.5121,

 0.6451, 0.6753,

272.8815, 224.8342

0.0000

310.5539,
326.5636, 273.6575

■ 0.0000, 0.0000,
0.0000

■ 47.6182, 50.0499,
32.7420

■ 47.6182, 50.0499,
32.7420

■ 44.9447, 46.9435,
24.9430

■ 50.6337, 53.3868,
42.0527

■ 42.5931, 44.0531,
18.5705

■ 54.0024, 56.9544,
52.9477

■ 40.5470, 41.3728,
13.5356


■ 57.7397, 60.7618,
65.4989


■ 38.7866, 38.8934,
9.7381


■ 61.8588, 64.8153,
79.7725


■ 37.2894, 36.6049,
7.0634

■ 66.3721, 69.1209,
95.8314


 36.0290, 34.4954,
5.3755

 69.6390, 73.0234,
105.0323

 35.0278, 32.6810,
4.4619

 71.3217, 76.3888,
105.5932

 73.0653, 79.8759,
106.1744

 74.8704, 83.4862,
106.7761

Harmonies

Analogous

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



52.2131, 50.0499, 35.2893



47.6182, 50.0499, 32.7420



43.2892, 50.0499, 35.1881

Triad

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



47.6182, 50.0499, 32.7420



40.2387, 50.0499, 68.1498



55.6913, 50.0499, 68.4223

Complementary

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



47.6182, 50.0499, 32.7420



34.9193, 35.6473, 62.7979

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.



52.1260, 50.0499, 79.8223



47.6182, 50.0499, 32.7420



43.2124, 50.0499, 79.6479

Square

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



47.6182, 50.0499, 32.7420



39.2005, 50.0499, 54.3606



47.5237, 50.0499, 84.2258



57.0554, 50.0499, 54.6313

Rectangle

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



47.6182, 50.0499, 32.7420



41.0902, 50.0499, 39.5915



47.5237, 50.0499, 84.2258



54.6996, 50.0499, 72.7375

Sweetspot

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



47.6195, 50.0522, 32.7430



89.4047, 94.2732, 89.8656



41.3674, 34.9325, 38.7220



18.9512, 19.9868, 18.6224



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.



47.6195, 50.0522, 32.7430



74.9889, 78.5143, 44.7591



48.8213, 57.0125, 34.0232



11.8572, 12.5034, 11.8679



21.8929, 20.5187, 2.8066



1.1941, 1.1878, 0.1663

Inverse Universe

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



34.9193, 35.6473, 62.7979



50.8962, 51.1981, 101.8074



33.9339, 30.5803, 61.8718



10.8729, 11.3863, 14.1951



7.9996, 5.0232, 36.5042



0.4798, 0.3933, 1.9056

Previews

White Background



This preview shows how the XYZ color 47.6182, 50.0499, 32.7420 looks on a white background.

Color Contrast Check

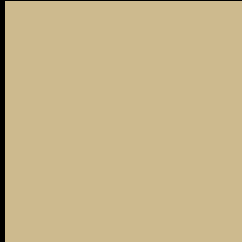
Large Text (above 18pt) WCAG AA × Fail

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 47.6182, 50.0499, 32.7420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

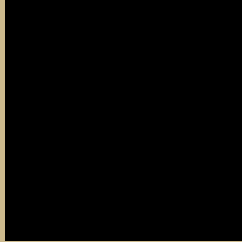
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6182, 50.0499, 32.7420

Background



This preview shows how black text looks on a background with the XYZ color 47.6182, 50.0499, 32.7420.



This preview shows how white text looks on a background with the XYZ color 47.6182, 50.0499,

32.7420.

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

47.6182, 50.0499, 32.7420

Protanopia

46.8156, 49.9413, 33.1588

Deuteranopia

51.0980, 49.9978, 32.9440



Tritanopia

52.6097, 49.9393, 57.3185

Trichromacy



Original Color

47.6182, 50.0499, 32.7420

Protanomaly

47.0854, 50.0804, 33.1714

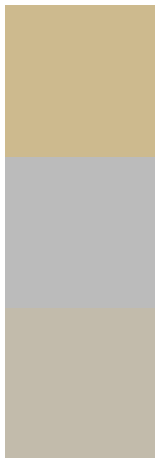
Deuteranomaly

49.7102, 49.8861, 32.9956

Tritanomaly

50.6624, 50.0672, 47.0381

Monochromacy



Original Color

47.6182, 50.0499, 32.7420

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3691, 49.9503, 45.6728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6182, 50.0499, 32.7420 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(205, 186, 142)` looks like.

```
.text, #text, p{  
    color:rgb(205, 186, 142)  
}
```

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(205, 186, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 186, 142) }
```

Border

The CSS property to change the border of an element to XYZ 47.6182, 50.0499, 32.7420 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(205, 186, 142) }
```


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

```
.border{ border-color:rgb(205, 186, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 186, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 186, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 186, 142);  
box-shadow:4px 4px 4px 4px rgb(205, 186,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6182, 50.0499, 32.7420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 186, 142) }
```

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

```
.background{ background-color: rgb(205,  
186, 142) }
```

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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