

Converting Colors

XYZ(47.7451, 49.0304, 47.9957)

Have a look what the booklet for
XYZ(47.7451, 49.0304, 47.9957)
contains.

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Color

**XYZ(47.7419, 49.1513,
48.0452)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B8B0
RGB	196, 184, 176
RGB Percent	77%, 72%, 69%
CMY	0.2314, 0.2784, 0.3098
CMYK	0.00, 0.06, 0.10, 0.23
HSL	24°, 14%, 73%
HSV	24°, 10%, 77%
XYZ	47.7419, 49.1513, 48.0452
YIQ	186.6760, 9.7200, 0.0560

Conversions

Conversions Part 2

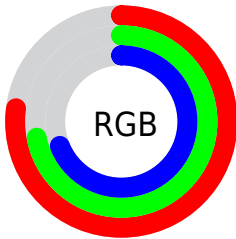
Format	Color
RYB	196, 189, 176
Decimal	12892336
CIELab	75.55, 2.87, 5.57
CIELCh	76, 6.267, 62.796
Yxy	49.1513, 0.3294, 0.3391
Android (android.graphics.Color)	4291082416 (0xFFC4B8B0)
YUV	186.6760, -5.2633, 8.1771
Hunter-Lab	70.1080, -1.1347, 8.4440

Details

The XYZ color **47.7419, 49.1513, 48.0452** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.8514, 49.1812, 59.3014**, and the grayscale version is **47.0775, 49.5292, 53.9373**.

A 20% lighter version of the original color is **86.2336, 89.0290, 88.9833**, and **22.9097, 23.4386, 22.3854** is the 20% darker color. If you saturate the color by 10%, you get **43.5998, 43.7494, 37.7775**, and if you desaturate by 10%, it is **52.3698, 55.0755, 59.8575**.

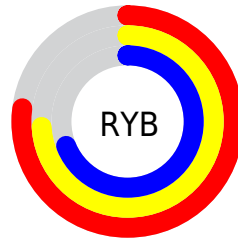
Distribution



Red (77%)

Green (72%)

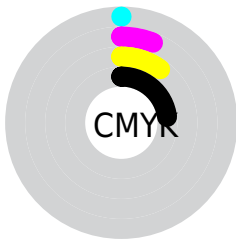
Blue (69%)



Red (77%)

Yellow (74%)

Blue (69%)

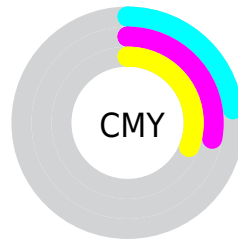


Cyan (0%)

Magenta (6%)

Yellow (10%)

Black (23%)



Cyan (23%)

Magenta (28%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7419, 49.1513, 48.0452 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 47.7419, 49.1513, 48.0452 by changing the saturation by 10% instead.

■ 47.7419, 49.1513,
48.0452

■ 47.7419, 49.1513,
48.0452

368.3678,
383.3376, 395.4851

■ 33.8329, 34.7395,
33.5024

■ 86.0320, 88.9161,
88.6379

■ 22.9276, 23.4623,
22.2374

111.1439,
115.0380, 115.5250

■ 14.6604, 14.9352,
13.8314

140.7208,
145.8319, 147.3639

■ 8.6662, 8.7739,
7.8661

175.1280,
181.6824, 184.5732

■ 4.5794, 4.5940,
3.9228

214.7310,
222.9739, 227.5715

■ 2.0349, 2.0111,
1.5831

259.8950,

■ 0.6534, 0.6139,

270.0906, 276.7772

0.2787

310.9855,
323.4171, 332.6089

■ 0.0000, 0.0000,
0.0000

■ 47.7419, 49.1513,
48.0452

■ 47.7419, 49.1513,
48.0452

■ 43.5998, 43.7494,
37.7775

■ 52.3698, 55.0755,
59.8575

■ 39.9225, 38.8487,
28.9866

■ 57.4954, 61.5296,
73.2719

■ 36.6935, 34.4361,
21.6046

■ 63.1351, 68.5290,
88.3469

■ 33.8936, 30.4954,
15.5566

■ 69.3036, 76.0866,
105.1371

■ 31.5021, 27.0094,
10.7609

■ 72.8023, 82.9301,
106.7778

■ 29.4963, 23.9598,
7.1267

■ 76.4300, 90.1855,
107.9870

■ 27.8509, 21.3266,
4.5507

■ 76.5752, 90.4759,
108.0354

■ 26.5366, 19.0878,
2.9108

■ 25.5206, 17.2467,
1.9839

Harmonies

Analogous

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



48.6132, 49.1513, 50.1379



47.7419, 49.1513, 48.0452



46.6083, 49.1513, 47.3989

Triad

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



47.7419, 49.1513, 48.0452



44.5285, 49.1513, 53.8290



47.9330, 49.1513, 59.0574

Complementary

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



47.7419, 49.1513, 48.0452



45.8514, 49.1812, 59.3014

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.



46.8255, 49.1513, 60.1410



47.7419, 49.1513, 48.0452



44.8705, 49.1513, 57.0454

Square

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



47.7419, 49.1513, 48.0452



44.7648, 49.1513, 50.6555



45.7066, 49.1513, 59.3901



48.7248, 49.1513, 56.4851

Rectangle

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



47.7419, 49.1513, 48.0452



45.8596, 49.1513, 47.8526



45.7066, 49.1513, 59.3901



47.5847, 49.1513, 59.6125

Sweetspot

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



47.7433, 49.1535, 48.0463



92.3962, 96.6242, 102.0597



47.3680, 46.4180, 54.0406



19.6278, 20.4917, 21.4634



0.0000, 0.0000, 0.0000



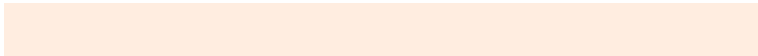
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7433, 49.1535, 48.0463



84.9305, 87.0268, 83.1273



49.8938, 53.4545, 48.7631



10.3966, 10.7246, 10.5840



16.4772, 11.2401, 1.3011



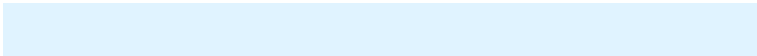
0.7794, 0.6205, 0.0787

Inverse Universe

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



45.8514, 49.1812, 59.3014



80.8918, 87.0857, 107.1535



43.7894, 45.0572, 58.6140



10.0194, 10.7302, 12.8279



10.6181, 10.9928, 35.1188



0.5247, 0.6069, 1.5394

Previews

White Background



This preview shows how the XYZ color 47.7419, 49.1513, 48.0452 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 47.7419, 49.1513, 48.0452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

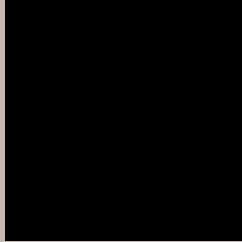
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

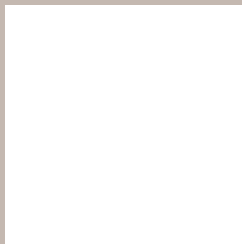
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7419, 49.1513, 48.0452

Background



This preview shows how black text looks on a background with the XYZ color 47.7419, 49.1513, 48.0452.



This preview shows how white text looks on a background with the XYZ color 47.7419, 49.1513,

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

47.7419, 49.1513, 48.0452

Protanopia

47.0230, 49.0787, 48.5897

Deuteranopia

50.2695, 49.2267, 48.4472



Tritanopia

49.9274, 49.1300, 58.4813

Trichromacy



Original Color

47.7419, 49.1513, 48.0452

Protanomaly

47.2771, 49.2097, 48.6016

Deuteranomaly

49.3615, 49.0594, 48.4628

Tritanomaly

49.0938, 49.0925, 54.4652

Monochromacy



Original Color

47.7419, 49.1513, 48.0452

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3414, 49.4839, 51.8559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7419, 49.1513, 48.0452 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(196, 184, 176)` looks like.

```
.text, #text, p{  
    color:rgb(196, 184, 176)  
}
```

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(196, 184, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 184, 176) }
```

Border

The CSS property to change the border of an element to XYZ 47.7419, 49.1513, 48.0452 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(196, 184, 176) }
```


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

```
.border{ border-color:rgb(196, 184, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 184, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 184, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 184, 176);  
box-shadow:4px 4px 4px 4px rgb(196, 184,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7419, 49.1513, 48.0452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 184, 176) }
```

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

```
.background{ background-color: rgb(196,  
184, 176) }
```

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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