

Converting Colors

XYZ(49.2053, 50.1789, 48.3671)

Have a look what the booklet for
XYZ(49.2053, 50.1789, 48.3671)
contains.

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Color

**XYZ(49.2728, 50.2500,
48.1766)**

Conversions

Conversions Part 1

Format	Color
Hex	C9B9B0
RGB	201, 185, 176
RGB Percent	79%, 73%, 69%
CMY	0.2118, 0.2745, 0.3098
CMYK	0.00, 0.08, 0.12, 0.21
HSL	22°, 19%, 74%
HSV	22°, 12%, 79%
XYZ	49.2728, 50.2500, 48.1766
YIQ	188.7580, 12.4250, 0.5930

Conversions

Conversions Part 2

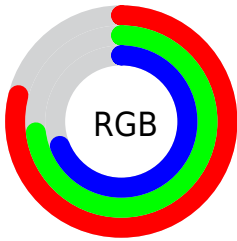
Format	Color
R_{YB}	201, 190, 176
Decimal	13220272
CIE _{Lab}	76.22, 4.15, 6.60
CIE _{LCh}	76, 7.799, 57.848
Yxy	50.2500, 0.3336, 0.3402
Android (android.graphics.Color)	4291410352 (0xFFC9B9B0)
YUV	188.7580, -6.2897, 10.7362
Hunter-Lab	70.8872, 0.0204, 9.3262

Details

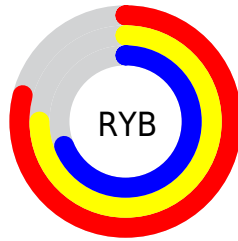
The XYZ color **49.2728, 50.2500, 48.1766** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.2965, 51.1454, 62.6380**, and the grayscale version is **48.2625, 50.7759, 55.2949**.

A 20% lighter version of the original color is **87.2608, 89.9968, 89.1159**, and **23.9220, 24.1608, 22.4715** is the 20% darker color. If you saturate the color by 10%, you get **44.8599, 44.3744, 37.6095**, and if you desaturate by 10%, it is **54.2264, 56.7347, 60.3780**.

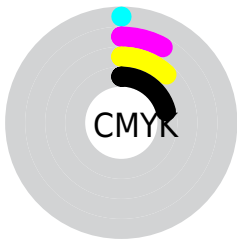
Distribution



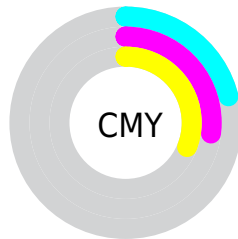
- Red (79%)
- Green (73%)
- Blue (69%)



- Red (79%)
- Yellow (75%)
- Blue (69%)



- Cyan (0%)
- Magenta (8%)
- Yellow (12%)
- Black (21%)



- Cyan (21%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2728, 50.2500, 48.1766 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 49.2728, 50.2500, 48.1766 by changing the saturation by 10% instead.

■ 49.2728, 50.2500,
48.1766

■ 49.2728, 50.2500,
48.1766

374.3145,
387.6428, 396.0206

■ 35.0514, 35.6121,
33.6058

■ 88.2948, 90.5452,
88.8356

■ 23.8691, 24.1347,
22.3160

113.8260,
116.9712, 115.7608

■ 15.3608, 15.4336,
13.8887

143.8579,
148.0954, 147.6412

■ 9.1609, 9.1243,
7.9055

178.7558,
184.3022, 184.8954

■ 4.9043, 4.8223,
3.9476

218.8850,
225.9759, 227.9419

■ 2.2254, 2.1434,
1.5966

264.6110,

■ 0.7561, 0.6889,

273.5010, 277.1993

0.2884

316.2990,
327.2618, 333.0860

■ 0.0000, 0.0000,
0.0000

■ 49.2728, 50.2500,
48.1766

■ 49.2728, 50.2500,
48.1766

■ 44.8599, 44.3744,
37.6095

■ 54.2264, 56.7347,
60.3780

■ 40.9642, 39.0832,
28.6033

■ 59.7348, 63.8389,
74.2763

■ 37.5666, 34.3597,
21.0841

■ 65.8168, 71.5814,
89.9345

■ 34.6451, 30.1838,
14.9704

■ 72.2625, 79.8874,
106.2189

■ 32.1757, 26.5344,
10.1727

■ 76.1092, 87.5808,
107.5012

■ 30.1324, 23.3884,
6.5913

■ 77.8976, 91.1576,
108.0973

■ 28.4856, 20.7211,
4.1119

■ 27.2013, 18.5048,
2.5976

■ 26.4302, 17.1029,
1.9082

Harmonies

Analogous

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



50.2901, 50.2500, 51.0384



49.2728, 50.2500, 48.1766



47.8668, 50.2500, 47.0563

Triad

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



49.2728, 50.2500, 48.1766



45.0067, 50.2500, 54.4119



49.0864, 50.2500, 62.1455

Complementary

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



49.2728, 50.2500, 48.1766



47.2965, 51.1454, 62.6380

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.



47.6556, 50.2500, 63.1598



49.2728, 50.2500, 48.1766



45.3184, 50.2500, 58.5613

Square

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



49.2728, 50.2500, 48.1766



45.4204, 50.2500, 50.5401



46.2807, 50.2500, 61.8169



50.1809, 50.2500, 59.1110

Rectangle

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



49.2728, 50.2500, 48.1766



46.9047, 50.2500, 47.4025



46.2807, 50.2500, 61.8169



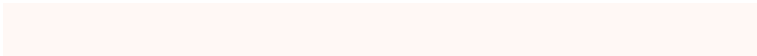
48.6279, 50.2500, 62.7406

Sweetspot

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



49.2742, 50.2522, 48.1777



91.4041, 95.2667, 99.7970



49.1555, 47.2857, 56.5514



19.4212, 20.2046, 21.0057



0.0000, 0.0000, 0.0000



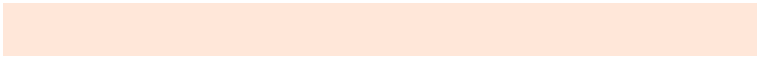
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2742, 50.2522, 48.1777



82.1752, 83.1434, 77.1925



51.9474, 55.5987, 49.0688



10.9413, 11.2518, 11.1579



16.6977, 10.9126, 1.2263



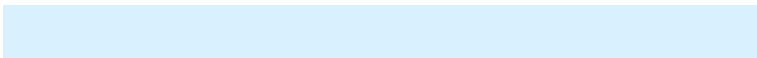
0.8592, 0.6539, 0.0809

Inverse Universe

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



47.2965, 51.1454, 62.6380



78.1127, 84.9769, 106.8929



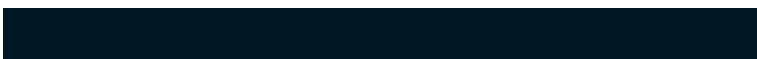
44.7186, 45.9896, 61.7787



10.6130, 11.4001, 13.5586



11.6219, 12.6377, 36.5711



0.6172, 0.7321, 1.7539

Previews

White Background



This preview shows how the XYZ color 49.2728, 50.2500, 48.1766 looks on a white background.

Color Contrast Check

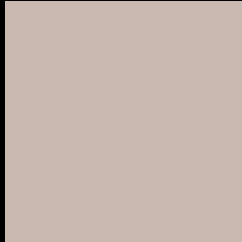
Large Text (above 18pt) WCAG AA × Fail

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 49.2728, 50.2500, 48.1766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

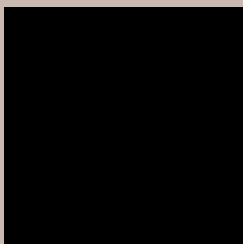
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

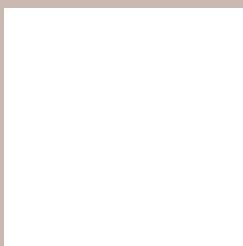
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2728, 50.2500, 48.1766

Background



This preview shows how black text looks on a background with the XYZ color 49.2728, 50.2500, 48.1766.

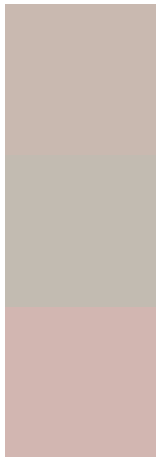


This preview shows how white text looks on a background with the XYZ color 49.2728, 50.2500,

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

49.2728, 50.2500, 48.1766

Protanopia

47.9543, 50.1843, 48.7541

Deuteranopia

51.2421, 50.3319, 48.6092



Tritanopia

51.5936, 50.2788, 59.2101

Trichromacy



Original Color

49.2728, 50.2500, 48.1766

Protanomaly

48.5207, 50.1625, 48.7200

Deuteranomaly

50.6014, 50.3067, 48.6382

Tritanomaly

50.7474, 50.2376, 55.1663

Monochromacy



Original Color

49.2728, 50.2500, 48.1766

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.6273, 50.7646, 52.5830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2728, 50.2500, 48.1766 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(201, 185, 176)` looks like.

```
.text, #text, p{  
    color:rgb(201, 185, 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(201, 185, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 185, 176) }
```

Border

The CSS property to change the border of an element to XYZ 49.2728, 50.2500, 48.1766 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(201, 185, 176) }
```


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

```
.border{ border-color:rgb(201, 185, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 185, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 185, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 185, 176);  
box-shadow:4px 4px 4px 4px rgb(201, 185,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2728, 50.2500, 48.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 185, 176) }
```

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

```
.background{ background-color: rgb(201,  
185, 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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