

Converting Colors

XYZ(51.0333, 52.8886, 47.4822)

Have a look what the booklet for
XYZ(51.0333, 52.8886, 47.4822)
contains.

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Color

**XYZ(50.9553, 52.7203,
47.5348)**

Conversions

Conversions Part 1

Format	Color
Hex	CCBEAE
RGB	204, 190, 174
RGB Percent	80%, 75%, 68%
CMY	0.2000, 0.2549, 0.3176
CMYK	0.00, 0.07, 0.15, 0.20
HSL	32°, 23%, 74%
HSV	32°, 15%, 80%
XYZ	50.9553, 52.7203, 47.5348
YIQ	192.3620, 13.4800, -2.0080

Conversions

Conversions Part 2

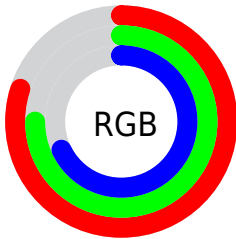
Format	Color
R _Y B	200, 204, 174
Decimal	13418158
CIE Lab	77.71, 2.26, 9.85
CIE LCh	78, 10.103, 77.067
Yxy	52.7203, 0.3370, 0.3487
Android (android.graphics.Color)	4291608238 (0xFFCCBEAE)
YUV	192.3620, -9.0525, 10.2065
Hunter-Lab	72.6087, -1.7977, 12.0107

Details

The XYZ color **50.9553, 52.7203, 47.5348** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.3377, 49.3237, 64.2054**, and the grayscale version is **50.3615, 52.9842, 57.6998**.

A 20% lighter version of the original color is **88.3386, 92.8287, 87.3905**, and **25.0362, 25.7805, 22.0689** is the 20% darker color. If you saturate the color by 10%, you get **47.1215, 47.9971, 37.1789**, and if you desaturate by 10%, it is **55.2287, 57.8383, 59.5287**.

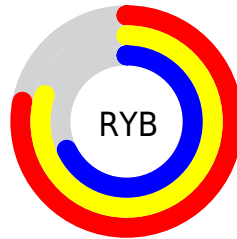
Distribution



Red (80%)

Green (75%)

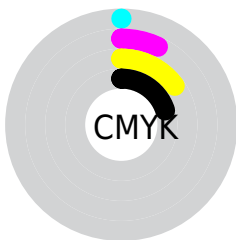
Blue (68%)



Red (78%)

Yellow (80%)

Blue (68%)

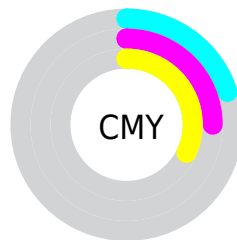


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (20%)



Cyan (20%)

Magenta (25%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9553, 52.7203, 47.5348 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 50.9553, 52.7203, 47.5348 by changing the saturation by 10% instead.

■ 50.9553, 52.7203,
47.5348

■ 50.9553, 52.7203,
47.5348

380.7806,
397.2111, 393.4006

■ 36.3939, 37.5795,
33.1013

■ 90.7721, 94.1927,
87.8697

■ 24.9101, 25.6565,
21.9323

116.7582,
121.2931, 114.6081

■ 16.1385, 16.5669,
13.6093

147.2833,
153.1488, 146.2853

■ 9.7137, 9.9262,
7.7138

182.7127,
190.1442, 183.3197

■ 5.2703, 5.3500,
3.8272

223.4118,
232.6638, 226.1299

■ 2.4431, 2.4541,
1.5311

269.7459,

■ 0.8667, 0.8535,

281.0918, 275.1344

0.2409

322.0804,
335.8128, 330.7518

■ 0.0000, 0.0000,
0.0000

■ 50.9553, 52.7203,
47.5348

■ 50.9553, 52.7203,
47.5348

■ 47.1215, 47.9971,
37.1789

■ 55.2287, 57.8383,
59.5287

■ 43.7069, 43.6512,
28.3852

■ 59.9525, 63.3540,
73.2251

■ 40.6957, 39.6737,
21.0771

■ 65.1427, 69.2795,
88.6890

■ 38.0692, 36.0529,
15.1698

■ 70.7159, 75.5852,
105.4700

■ 35.8072, 32.7761,
10.5703

■ 73.4078, 80.9691,
106.3673

■ 33.8869, 29.8298,
7.1736

■ 76.2462, 86.6457,
107.3134

■ 32.2827, 27.1988,
4.8587

■ 78.7121, 91.5775,
108.1354

■ 30.9636, 24.8657,
3.4782

■ 30.3523, 23.7380,
2.9821

Harmonies

Analogous

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



52.7140, 52.7203, 49.8747



50.9553, 52.7203, 47.5348



49.0136, 52.7203, 47.7123

Triad

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



50.9553, 52.7203, 47.5348



46.5999, 52.7203, 60.6223



52.9127, 52.7203, 65.0551

Complementary

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



50.9553, 52.7203, 47.5348



46.3377, 49.3237, 64.2054

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.



51.2207, 52.7203, 68.3253



50.9553, 52.7203, 47.5348



47.5913, 52.7203, 65.6541

Square

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



50.9553, 52.7203, 47.5348



46.5330, 52.7203, 55.0270



49.2722, 52.7203, 68.5513



53.8638, 52.7203, 59.8474

Rectangle

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



50.9553, 52.7203, 47.5348



47.8767, 52.7203, 49.2326



49.2722, 52.7203, 68.5513



52.4098, 52.7203, 66.4317

Sweetspot

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



50.9567, 52.7226, 47.5359



91.9516, 96.3617, 99.9795



49.1156, 46.7410, 54.0108



19.5597, 20.4815, 21.0518



0.0000, 0.0000, 0.0000



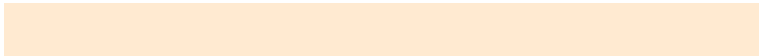
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9567, 52.7226, 47.5359



82.0661, 84.4786, 72.3672



53.8620, 58.9388, 48.5826



11.6996, 12.1881, 11.8153



19.1980, 15.1289, 1.9083



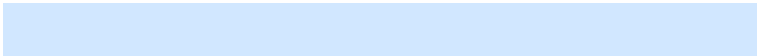
1.0659, 0.9316, 0.1236

Inverse Universe

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



46.3377, 49.3237, 64.2054



72.8128, 77.6700, 105.7619



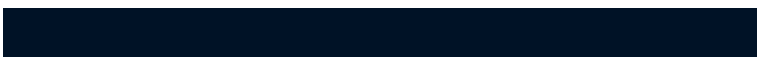
43.7150, 43.7465, 63.2671



11.0260, 11.6924, 14.2461



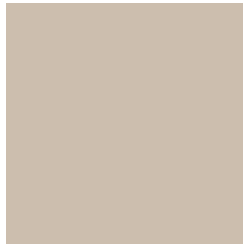
9.5369, 8.0978, 37.0166



0.5677, 0.5692, 1.9349

Previews

White Background



This preview shows how the XYZ color 50.9553, 52.7203, 47.5348 looks on a white background.

Color Contrast Check

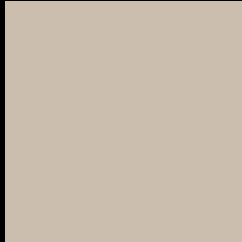
Large Text (above 18pt) WCAG AA × Fail

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 50.9553, 52.7203, 47.5348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

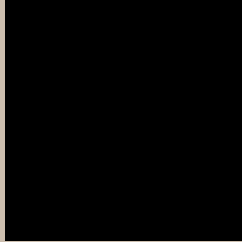
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

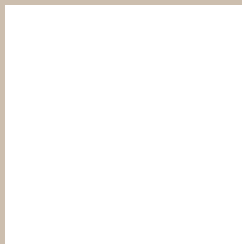
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.9553, 52.7203, 47.5348

Background



This preview shows how black text looks on a background with the XYZ color 50.9553, 52.7203, 47.5348.



This preview shows how white text looks on a background with the XYZ color 50.9553, 52.7203,

47.5348.

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

50.9553, 52.7203, 47.5348

Protanopia

50.1881, 52.6361, 48.0720

Deuteranopia

53.7021, 52.5448, 47.8692



Tritanopia

54.1139, 52.7448, 62.5870

Trichromacy



Original Color

50.9553, 52.7203, 47.5348

Protanomaly

50.4561, 52.7743, 48.0846

Deuteranomaly

52.6596, 52.6328, 47.9411

Tritanomaly

52.9064, 52.5676, 56.6483

Monochromacy



Original Color

50.9553, 52.7203, 47.5348

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.1527, 52.5001, 53.3892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9553, 52.7203, 47.5348 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, 190, 174)` looks like.

```
.text, #text, p{  
    color:rgb(204, 190, 174)  
}
```

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, 190, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 190, 174) }
```

Border

The CSS property to change the border of an element to XYZ 50.9553, 52.7203, 47.5348 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, 190, 174) }
```


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

```
.border{ border-color:rgb(204, 190, 174) }
```

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

Here you see how a box with a 4 pixel rgb(204, 190, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 190, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 190, 174);  
box-shadow:4px 4px 4px 4px rgb(204, 190,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9553, 52.7203, 47.5348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 190, 174) }
```

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

```
.background{ background-color: rgb(204,  
190, 174) }
```

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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