

Converting Colors

XYZ(49.9551, 52.7712, 51.2690)

Have a look what the booklet for
XYZ(49.9551, 52.7712, 51.2690)
contains.

XYZ(49.9551, 52.7712, 51.2690)	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(49.9551, 52.7712,
51.2690)**

Conversions

Conversions Part 1

Format	Color
Hex	C4C0B5
RGB	196, 192, 181
RGB Percent	77%, 75%, 71%
CMY	0.2314, 0.2470, 0.2902
CMYK	0.00, 0.02, 0.08, 0.23
HSL	44°, 11%, 74%
HSV	44°, 8%, 77%
XYZ	49.9551, 52.7712, 51.2690
YIQ	191.9420, 5.9150, -2.5730

Conversions

Conversions Part 2

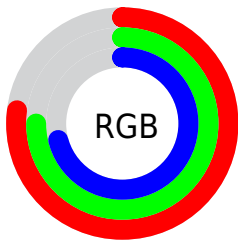
Format	Color
RYB	186, 196, 181
Decimal	12894389
CIELab	77.74, -0.54, 6.03
CIELCh	78, 6.050, 95.159
Yxy	52.7712, 0.3244, 0.3427
Android (android.graphics.Color)	4291084469 (0xFFC4C0B5)
YUV	191.9420, -5.3944, 3.5589
Hunter-Lab	72.6438, -4.3772, 9.0062

Details

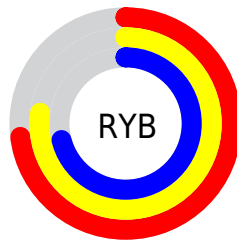
The XYZ color **49.9551, 52.7712, 51.2690** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.3689, 48.5066, 59.1441**, and the grayscale version is **50.0984, 52.7074, 57.3983**.

A 20% lighter version of the original color is **89.3615, 94.1319, 93.5802**, and **24.2842, 25.7745, 24.1171** is the 20% darker color. If you saturate the color by 10%, you get **46.9579, 49.7717, 41.0360**, and if you desaturate by 10%, it is **53.2789, 55.9699, 63.0081**.

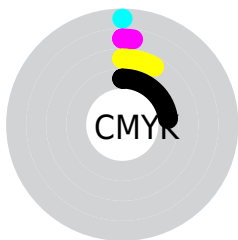
Distribution



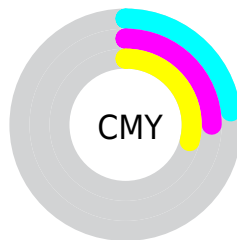
- Red (77%)
- Green (75%)
- Blue (71%)



- Red (73%)
- Yellow (77%)
- Blue (71%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (23%)



- Cyan (23%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9551, 52.7712, 51.2690 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 49.9551, 52.7712, 51.2690 by changing the saturation by 10% instead.

■ 49.9551, 52.7712,
51.2690

■ 49.9551, 52.7712,
51.2690

376.9452,
397.4067, 408.4844

■ 35.5954, 37.6202,
36.0445

■ 89.3006, 94.2676,
93.4678

■ 24.2905, 25.6880,
24.1786

115.0170,
121.3818, 121.2793

■ 15.6752, 16.5904,
15.2527

145.2498,
153.2524, 154.1235

■ 9.3840, 9.9429,
8.8484

180.3641,
190.2639, 192.4189

■ 5.0516, 5.3611,
4.5470

220.7255,
232.8007, 236.5842

■ 2.3126, 2.4607,
1.9299

266.6993,

■ 0.8011, 0.8568,

281.2472, 287.0379

0.5117

318.6507,
335.9877, 344.1984

■ 0.0000, 0.0000,
0.0000

■ 49.9551, 52.7712,
51.2690

■ 49.9551, 52.7712,
51.2690

■ 46.9579, 49.7717,
41.0360

■ 53.2789, 55.9699,
63.0081

■ 44.2709, 46.9590,
32.2437

■ 56.9363, 59.3660,
76.3082

■ 41.8823, 44.3295,
24.8267

■ 60.9398, 62.9671,
91.2258

■ 39.7782, 41.8768,
18.7137

■ 64.5827, 66.4909,
104.0379

■ 37.9435, 39.5942,
13.8264

■ 65.9167, 69.1588,
104.4825

■ 36.3612, 37.4743,
10.0784

■ 67.2933, 71.9121,
104.9414

■ 35.0124, 35.5088,
7.3718

■ 68.7130, 74.7514,
105.4147

■ 33.8748, 33.6879,
5.5921

■ 70.1762, 77.6777,
105.9024

■ 32.9166, 31.9983,
4.5735

■ 71.6831, 80.6916,
106.4047

Harmonies

Analogous

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



51.1099, 52.7712, 51.7999



49.9551, 52.7712, 51.2690



48.8712, 52.7712, 52.3433

Triad

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



49.9551, 52.7712, 51.2690



48.3379, 52.7712, 61.2553



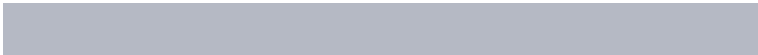
52.2300, 52.7712, 60.2124

Complementary

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



49.9551, 52.7712, 51.2690



46.3689, 48.5066, 59.1441

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.



51.4661, 52.7712, 62.8973



49.9551, 52.7712, 51.2690



49.2169, 52.7712, 63.5157

Square

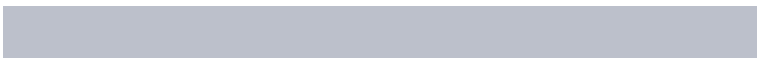
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.9551, 52.7712, 51.2690



47.9468, 52.7712, 58.0411



50.3603, 52.7712, 64.1279



52.4350, 52.7712, 56.8805

Rectangle

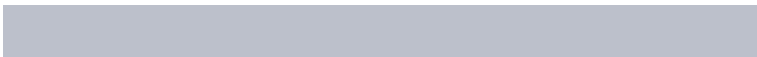
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9551, 52.7712, 51.2690



48.3309, 52.7712, 53.8508



50.3603, 52.7712, 64.1279



52.0295, 52.7712, 61.2246

Sweetspot

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



49.9566, 52.7735, 51.2701



93.8077, 98.8119, 104.4887



48.0465, 48.2871, 52.6877



20.0918, 21.1623, 22.4111



0.0000, 0.0000, 0.0000



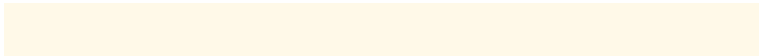
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9566, 52.7735, 51.2701



89.6528, 94.7695, 89.9483



49.9462, 54.0887, 51.5245



10.6791, 11.2896, 10.6781



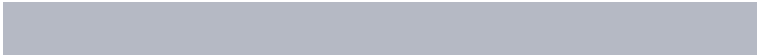
21.0879, 20.4616, 2.8380



0.9652, 0.9923, 0.1407

Inverse Universe

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



46.3689, 48.5066, 59.1441



81.9675, 85.6292, 106.8157



46.3756, 47.2863, 58.9082



9.7417, 10.1748, 12.7353



7.2589, 4.2744, 33.9991



0.3725, 0.3024, 1.4886

Previews

White Background



This preview shows how the XYZ color 49.9551, 52.7712, 51.2690 looks on a white background.

Color Contrast Check

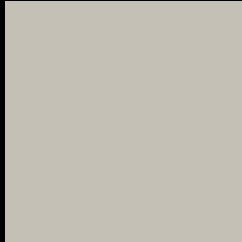
Large Text (above 18pt) WCAG AA × Fail

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 49.9551, 52.7712, 51.2690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

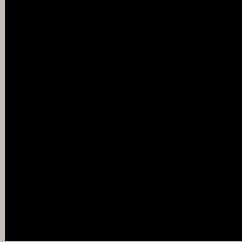
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

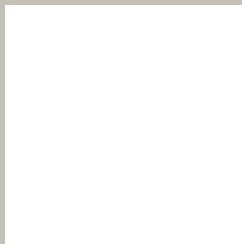
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9551, 52.7712, 51.2690

Background



This preview shows how black text looks on a background with the XYZ color 49.9551, 52.7712, 51.2690.



This preview shows how white text looks on a background with the XYZ color 49.9551, 52.7712,

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

49.9551, 52.7712, 51.2690

Protanopia

50.2600, 52.6036, 51.2206

Deuteranopia

53.7340, 52.7914, 51.6136



Tritanopia

52.5303, 52.8491, 63.9322

Trichromacy



Original Color

49.9551, 52.7712, 51.2690

Protanomaly

49.9972, 52.4681, 51.2083

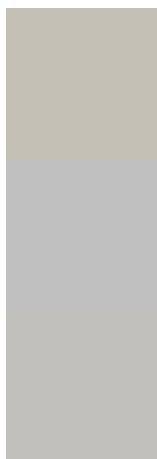
Deuteranomaly

52.1588, 52.6092, 51.6615

Tritanomaly

51.5525, 52.7728, 59.0988

Monochromacy



Original Color

49.9551, 52.7712, 51.2690

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.9191, 52.6676, 55.1118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9551, 52.7712, 51.2690 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, 192, 181)` looks like.

```
.text, #text, p{  
    color:rgb(196, 192, 181)  
}
```

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, 192, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 192, 181) }
```

Border

The CSS property to change the border of an element to XYZ 49.9551, 52.7712, 51.2690 is called "border". The border property can be set on classes, ids or directly on the HTML element.

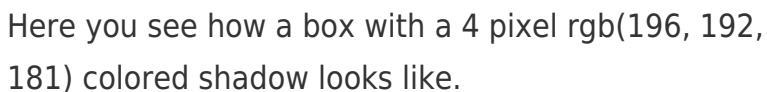
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 192, 181) }
```


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

```
.border{ border-color:rgb(196, 192, 181) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 192, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 192, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 192, 181); box-shadow:4px 4px 4px 4px rgb(196, 192, 181) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9551, 52.7712, 51.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 192, 181) }
```

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

```
.background{ background-color: rgb(196,  
192, 181) }
```

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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