

Converting Colors

XYZ(49.4194, 51.6042, 48.5269)

Have a look what the booklet for
XYZ(49.4194, 51.6042, 48.5269)
contains.

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Color

**XYZ(49.3228, 51.5355,
48.4221)**

Conversions

Conversions Part 1

Format	Color
Hex	C6BDB0
RGB	198, 189, 176
RGB Percent	78%, 74%, 69%
CMY	0.2235, 0.2588, 0.3098
CMYK	0.00, 0.05, 0.11, 0.22
HSL	35°, 16%, 73%
HSV	35°, 11%, 78%
XYZ	49.3228, 51.5355, 48.4221
YIQ	190.2090, 9.5370, -2.1350

Conversions

Conversions Part 2

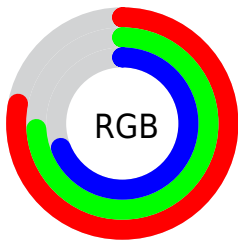
Format	Color
RYB	191, 198, 176
Decimal	13024688
CIELab	77.00, 0.92, 7.69
CIElCh	77, 7.744, 83.140
Yxy	51.5355, 0.3304, 0.3452
Android (android.graphics.Color)	4291214768 (0xFFC6BDB0)
YUV	190.2090, -7.0050, 6.8327
Hunter-Lab	71.7882, -2.9892, 10.2599

Details

The XYZ color **49.3228, 51.5355, 48.4221** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.4465, 48.0046, 60.2973**, and the grayscale version is **49.1004, 51.6574, 56.2549**.

A 20% lighter version of the original color is **88.4579, 92.3910, 89.5149**, and **23.9438, 24.9928, 22.6309** is the 20% darker color. If you saturate the color by 10%, you get **45.8119, 47.4233, 38.2810**, and if you desaturate by 10%, it is **53.2196, 55.9611, 60.1028**.

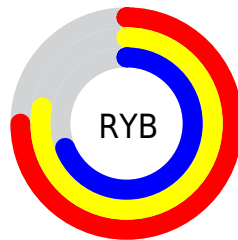
Distribution



Red (78%)

Green (74%)

Blue (69%)



Red (75%)

Yellow (78%)

Blue (69%)

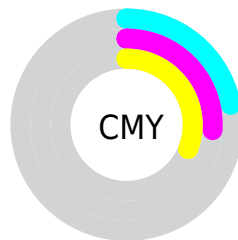


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (22%)



Cyan (22%)

Magenta (26%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3228, 51.5355, 48.4221 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 49.3228, 51.5355, 48.4221 by changing the saturation by 10% instead.

■ 49.3228, 51.5355,
48.4221

■ 49.3228, 51.5355,
48.4221

374.5076,
392.6407, 397.0197

■ 35.0912, 36.6350,
33.7989

■ 88.3685, 92.4458,
89.2046

■ 23.9000, 24.9250,
22.4631

113.9134,
119.2244, 116.2010

■ 15.3838, 16.0212,
13.9960

143.9600,
150.7312, 148.1589

■ 9.1772, 9.5391,
7.9791

178.8738,
187.3504, 185.4969

■ 4.9150, 5.0945,
3.9940

219.0201,
229.4666, 228.6334

■ 2.2317, 2.3028,
1.6221

264.7643,

■ 0.7594, 0.7752,

277.4642, 277.9870

0.3065

316.4717,
331.7274, 333.9762

■ 0.0000, 0.0000,
0.0000

■ 49.3228, 51.5355,
48.4221

■ 49.3228, 51.5355,
48.4221

■ 45.8119, 47.4233,
38.2810

■ 53.2196, 55.9611,
60.1028

■ 42.6688, 43.6095,
29.6110

■ 57.5111, 60.7009,
73.3814

■ 39.8800, 40.0880,
22.3428

■ 62.2112, 65.7647,
88.3170

■ 37.4296, 36.8498,
16.4007

■ 67.2992, 71.1463,
104.7933

■ 35.3002, 33.8850,
11.7013

■ 69.4939, 75.5358,
105.5249

■ 33.4725, 31.1833,
8.1520

■ 71.7933, 80.1344,
106.2913

■ 31.9248, 28.7331,
5.6469

■ 74.1985, 84.9450,
107.0931

■ 30.6313, 26.5211,
4.0599

■ 76.7111, 89.9702,
107.9306

■ 29.6539, 24.7358,
3.2116

■ 77.0990, 90.7459,
108.0599

Harmonies

Analogous

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



50.7057, 51.5355, 49.8564



49.3228, 51.5355, 48.4221



47.8758, 51.5355, 48.9643

Triad

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



49.3228, 51.5355, 48.4221



46.4186, 51.5355, 59.3695



51.2897, 51.5355, 61.1331

Complementary

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



49.3228, 51.5355, 48.4221



45.4465, 48.0046, 60.2973

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.



50.1071, 51.5355, 63.9266



49.3228, 51.5355, 48.4221



47.2997, 51.5355, 62.8732

Square

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



49.3228, 51.5355, 48.4221



46.2181, 51.5355, 55.1479



48.6447, 51.5355, 64.5788



51.8559, 51.5355, 57.0901

Rectangle

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



49.3228, 51.5355, 48.4221



47.0673, 51.5355, 50.3874



48.6447, 51.5355, 64.5788



50.9499, 51.5355, 62.2575

Sweetspot

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



49.3242, 51.5378, 48.4232



92.8527, 97.5372, 102.2118



47.5893, 46.5671, 52.4721



19.7509, 20.7380, 21.5044



0.0000, 0.0000, 0.0000



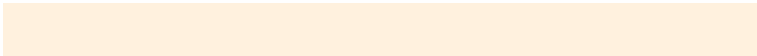
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3242, 51.5378, 48.4232



85.9915, 89.6995, 81.7834



50.8396, 55.2816, 49.0660



11.1462, 11.6615, 11.2262



19.3704, 16.2579, 2.1172



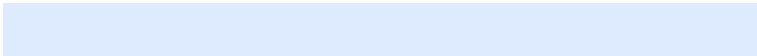
0.9872, 0.9097, 0.1236

Inverse Universe

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



45.4465, 48.0046, 60.2973



77.9530, 82.3755, 106.3992



44.0410, 44.5740, 59.7092



10.4069, 10.9879, 13.4899



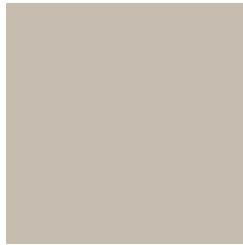
8.6204, 6.6348, 35.5707



0.4791, 0.4560, 1.7079

Previews

White Background



This preview shows how the XYZ color 49.3228, 51.5355, 48.4221 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 49.3228, 51.5355, 48.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

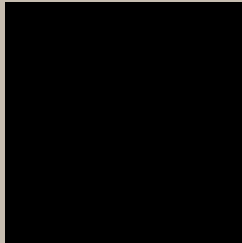
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

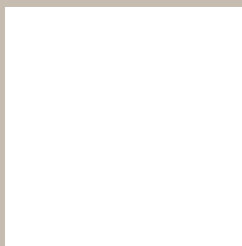
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3228, 51.5355, 48.4221

Background



This preview shows how black text looks on a background with the XYZ color 49.3228, 51.5355, 48.4221.

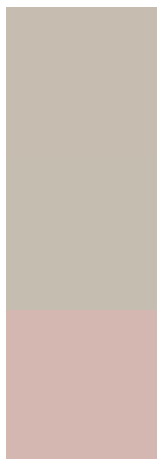


This preview shows how white text looks on a background with the XYZ color 49.3228, 51.5355,

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

49.3228, 51.5355, 48.4221

Protanopia

49.0600, 51.4001, 48.4098

Deuteranopia

52.3099, 51.1874, 48.7181



Tritanopia

51.8617, 51.2856, 61.8093

Trichromacy



Original Color

49.3228, 51.5355, 48.4221

Protanomaly

49.0600, 51.4001, 48.4098

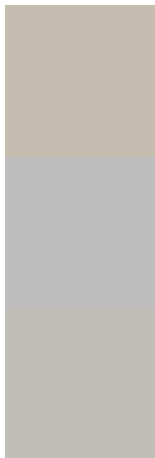
Deuteranomaly

51.2972, 51.2821, 48.7898

Tritanomaly

50.7823, 51.1588, 56.4883

Monochromacy



Original Color

49.3228, 51.5355, 48.4221

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1627, 51.6672, 53.2805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3228, 51.5355, 48.4221 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(198, 189, 176)` looks like.

```
.text, #text, p{  
    color:rgb(198, 189, 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(198, 189, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 189, 176) }
```

Border

The CSS property to change the border of an element to XYZ 49.3228, 51.5355, 48.4221 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(198, 189, 176) }
```


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

```
.border{ border-color:rgb(198, 189, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 189, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 189, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 189, 176);  
box-shadow:4px 4px 4px 4px rgb(198, 189,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3228, 51.5355, 48.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 189, 176) }
```

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

```
.background{ background-color: rgb(198,  
189, 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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