

Converting Colors

XYZ(49.3391, 51.4621, 50.8594)

Have a look what the booklet for
XYZ(49.3391, 51.4621, 50.8594)
contains.

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Color

**XYZ(49.3030, 51.4672,
51.0517)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BDB5
RGB	196, 189, 181
RGB Percent	77%, 74%, 71%
CMY	0.2314, 0.2588, 0.2902
CMYK	0.00, 0.04, 0.08, 0.23
HSL	32°, 11%, 74%
HSV	32°, 8%, 77%
XYZ	49.3030, 51.4672, 51.0517
YIQ	190.1810, 6.7400, -1.0040

Conversions

Conversions Part 2

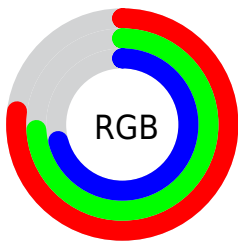
Format	Color
RYB	194, 196, 181
Decimal	12893621
CIELab	76.96, 1.05, 4.90
CIELCh	77, 5.014, 77.931
Yxy	51.4672, 0.3247, 0.3390
Android (android.graphics.Color)	4291083701 (0xFFC4BDB5)
YUV	190.1810, -4.5262, 5.1033
Hunter-Lab	71.7406, -2.8739, 8.0268

Details

The XYZ color **49.3030, 51.4672, 51.0517** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.0029, 49.7747, 59.3551**, and the grayscale version is **49.0716, 51.6271, 56.2219**.

A 20% lighter version of the original color is **88.4465, 92.3019, 93.2752**, and **23.8558, 24.9176, 23.9743** is the 20% darker color. If you saturate the color by 10%, you get **45.5273, 46.9107, 40.5592**, and if you desaturate by 10%, it is **53.4885, 56.3893, 63.0780**.

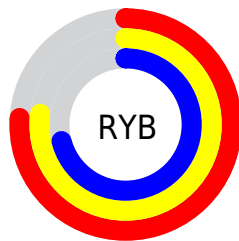
Distribution



Red (77%)

Green (74%)

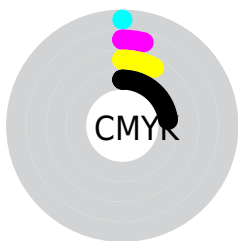
Blue (71%)



Red (76%)

Yellow (77%)

Blue (71%)

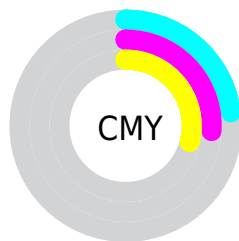


Cyan (0%)

Magenta (4%)

Yellow (8%)

Black (23%)



Cyan (23%)

Magenta (26%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3030, 51.4672, 51.0517 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 49.3030, 51.4672, 51.0517 by changing the saturation by 10% instead.

■ 49.3030, 51.4672,
51.0517

■ 49.3030, 51.4672,
51.0517

374.4311,
392.3762, 407.6169

■ 35.0754, 36.5806,
35.8727

■ 88.3393, 92.3450,
93.1435

■ 23.8878, 24.8829,
24.0470

113.8788,
119.1050, 120.8934

■ 15.3747, 15.9898,
15.1560

143.9196,
150.5915, 153.6707

■ 9.1708, 9.5170,
8.7811

178.8271,
187.1889, 191.8939

■ 4.9107, 5.0799,
4.5038

218.9666,
229.2817, 235.9816

■ 2.2292, 2.2942,
1.9056

264.7036,

■ 0.7581, 0.7706,

277.2543, 286.3523

0.4963

316.4033,
331.4910, 343.4245

■ 0.0000, 0.0000,
0.0000

■ 49.3030, 51.4672,
51.0517

■ 49.3030, 51.4672,
51.0517

■ 45.5273, 46.9107,
40.5592

■ 53.4885, 56.3893,
63.0780

■ 42.1432, 42.7038,
31.5345

■ 58.0928, 61.6792,
76.6936

■ 39.1370, 38.8391,
23.9118

■ 63.1299, 67.3474,
91.9557

■ 36.4930, 35.3064,
17.6187

■ 67.8949, 73.1155,
105.1420

■ 34.1937, 32.0948,
12.5766

■ 70.4412, 78.2080,
105.9907

■ 32.2203, 29.1926,
8.6982

■ 73.1218, 83.5693,
106.8843

■ 30.5515, 26.5871,
5.8849

■ 75.9389, 89.2035,
107.8233

■ 29.1629, 24.2642,
4.0216

■ 76.5751, 90.4758,
108.0354

■ 28.0201, 22.2055,
2.9414

Harmonies

Analogous

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



50.1588, 51.4672, 52.2248



49.3030, 51.4672, 51.0517



48.3548, 51.4672, 51.1826

Triad

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



49.3030, 51.4672, 51.0517



47.1915, 51.4672, 57.6739



50.2940, 51.4672, 59.6373

Complementary

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



49.3030, 51.4672, 51.0517



47.0029, 49.7747, 59.3551

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.



49.4856, 51.4672, 61.1933



49.3030, 51.4672, 51.0517



47.6979, 51.4672, 60.0346

Square

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



49.3030, 51.4672, 51.0517



47.1441, 51.4672, 54.9466



48.5351, 51.4672, 61.3410



50.7359, 51.4672, 57.1459

Rectangle

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



49.3030, 51.4672, 51.0517



47.7978, 51.4672, 51.9923



48.5351, 51.4672, 61.3410



50.0556, 51.4672, 60.2905

Sweetspot

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



49.3044, 51.4694, 51.0528



93.4855, 98.1676, 104.3813



48.3665, 48.4151, 54.3734



20.0262, 21.0312, 22.3892



0.0000, 0.0000, 0.0000



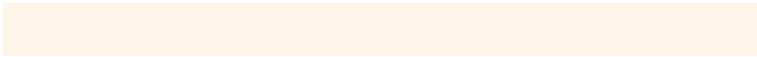
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3044, 51.4694, 51.0528



88.2525, 91.9688, 89.4815



50.7160, 54.4853, 51.5605



10.5082, 10.9479, 10.6212



17.9332, 14.1521, 1.7865



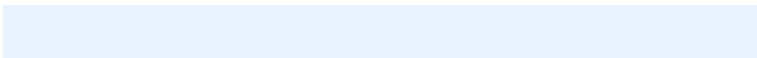
0.8433, 0.7484, 0.1000

Inverse Universe

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



47.0029, 49.7747, 59.3551



83.3219, 88.3381, 107.2672



45.6619, 46.9184, 58.8744



9.9069, 10.5051, 12.7904



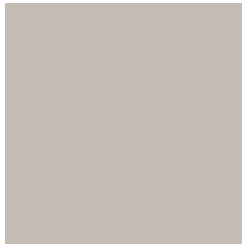
8.9133, 7.5832, 34.5505



0.4540, 0.4655, 1.5158

Previews

White Background



This preview shows how the XYZ color 49.3030, 51.4672, 51.0517 looks on a white background.

Color Contrast Check

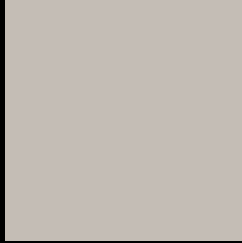
Large Text (above 18pt) WCAG AA × Fail

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 49.3030, 51.4672, 51.0517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

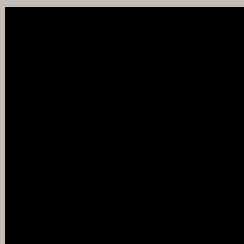
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

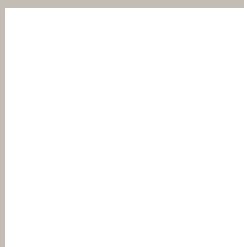
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3030, 51.4672, 51.0517

Background



This preview shows how black text looks on a background with the XYZ color 49.3030, 51.4672, 51.0517.

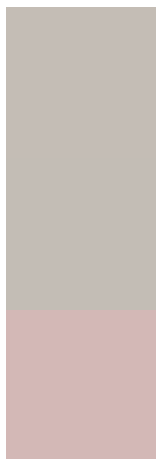


This preview shows how white text looks on a background with the XYZ color 49.3030, 51.4672, 51.0517.

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

49.3030, 51.4672, 51.0517

Protanopia

49.0438, 51.3335, 51.0395

Deuteranopia

52.4480, 51.5073, 51.4336



Tritanopia

51.6547, 51.4770, 62.4719

Trichromacy



Original Color

49.3030, 51.4672, 51.0517

Protanomaly

49.0438, 51.3335, 51.0395

Deuteranomaly

51.4560, 51.6170, 51.5070

Tritanomaly

50.7966, 51.4415, 58.2909

Monochromacy



Original Color

49.3030, 51.4672, 51.0517

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1213, 51.6212, 54.3886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3030, 51.4672, 51.0517 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, 189, 181)` looks like.

```
.text, #text, p{  
    color:rgb(196, 189, 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, 189, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 189, 181) }
```

Border

The CSS property to change the border of an element to XYZ 49.3030, 51.4672, 51.0517 is called "border". The border property can be set on classes, ids or directly on the HTML element.

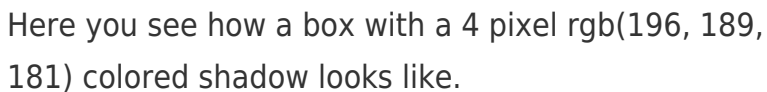
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 189, 181) }
```


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

```
.border{ border-color:rgb(196, 189, 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, 189, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 189, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 189, 181);  
box-shadow:4px 4px 4px 4px rgb(196, 189,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3030, 51.4672, 51.0517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 189, 181) }
```

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

```
.background{ background-color: rgb(196,  
189, 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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