

Converting Colors

XYZ(49.0649, 50.9638, 50.7463)

Have a look what the booklet for
XYZ(49.0649, 50.9638, 50.7463)
contains.

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Color

**XYZ(49.0887, 51.0384,
50.9802)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BCB5
RGB	196, 188, 181
RGB Percent	77%, 74%, 71%
CMY	0.2314, 0.2627, 0.2902
CMYK	0.00, 0.04, 0.08, 0.23
HSL	28°, 11%, 74%
HSV	28°, 8%, 77%
XYZ	49.0887, 51.0384, 50.9802
YIQ	189.5940, 7.0150, -0.4810

Conversions

Conversions Part 2

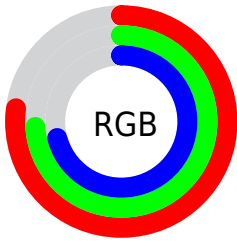
Format	Color
RYB	196, 194, 181
Decimal	12893365
CIELab	76.70, 1.58, 4.53
CIELCh	77, 4.798, 70.754
Yxy	51.0384, 0.3249, 0.3378
Android (android.graphics.Color)	4291083445 (0xFFC4BCB5)
YUV	189.5940, -4.2368, 5.6181
Hunter-Lab	71.4412, -2.3710, 7.6996

Details

The XYZ color **49.0887, 51.0384, 50.9802** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.2174, 50.2038, 59.4269**, and the grayscale version is **48.7321, 51.2699, 55.8329**.

A 20% lighter version of the original color is **88.1448, 91.6984, 93.1746**, and **23.7156, 24.6372, 23.9276** is the 20% darker color. If you saturate the color by 10%, you get **45.0659, 45.9876, 40.4053**, and if you desaturate by 10%, it is **53.5590, 56.5301, 63.1014**.

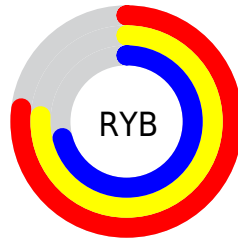
Distribution



Red (77%)

Green (74%)

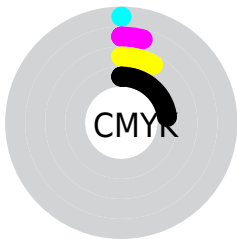
Blue (71%)



Red (77%)

Yellow (76%)

Blue (71%)

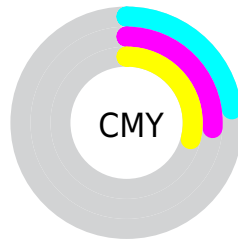


Cyan (0%)

Magenta (4%)

Yellow (8%)

Black (23%)



Cyan (23%)

Magenta (26%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0887, 51.0384, 50.9802 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 49.0887, 51.0384, 50.9802 by changing the saturation by 10% instead.

■ 49.0887, 51.0384,
50.9802

■ 49.0887, 51.0384,
50.9802

373.6026,
390.7130, 407.3312

■ 34.9047, 36.2392,
35.8162

■ 88.0231, 91.7115,
93.0367

■ 23.7556, 24.6190,
24.0037

113.5042,
118.3542, 120.7663

■ 15.2762, 15.7934,
15.1242

143.4817,
149.7135, 153.5216

■ 9.1010, 9.3781,
8.7590

178.3209,
186.1738, 191.7210

■ 4.8648, 4.9886,
4.4897

218.3873,
228.1195, 235.7831

■ 2.2021, 2.2406,
1.8976

264.0461,

■ 0.7438, 0.7420,

275.9350, 286.1265

0.4912

315.6628,
330.0047, 343.1697

■ 0.0000, 0.0000,
0.0000

■ 49.0887, 51.0384,
50.9802

■ 49.0887, 51.0384,
50.9802

■ 45.0659, 45.9876,
40.4053

■ 53.5590, 56.5301,
63.1014

■ 41.4711, 41.3596,
31.3104

■ 58.4868, 62.4670,
76.8250

■ 38.2898, 37.1444,
23.6292

■ 63.8873, 68.8620,
92.2082

■ 35.5046, 33.3295,
17.2891

■ 69.0565, 75.4385,
105.5292

■ 33.0970, 29.9013,
12.2109

■ 72.0488, 81.4229,
106.5266

■ 31.0468, 26.8455,
8.3069

■ 75.2182, 87.7618,
107.5830

■ 29.3312, 24.1464,
5.4781

■ 76.5753, 90.4759,
108.0354

■ 27.9243, 21.7868,
3.6086

■ 26.7900, 19.7451,
2.5313

Harmonies

Analogous

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



49.8462, 51.0384, 52.3689



49.0887, 51.0384, 50.9802



48.1851, 51.0384, 50.7994

Triad

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



49.0887, 51.0384, 50.9802



46.8140, 51.0384, 56.5112



49.6601, 51.0384, 59.4498

Complementary

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



49.0887, 51.0384, 50.9802



47.2174, 50.2038, 59.4269

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.



48.8373, 51.0384, 60.6349



49.0887, 51.0384, 50.9802



47.1988, 51.0384, 58.9034

Square

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



49.0887, 51.0384, 50.9802



46.8794, 51.0384, 53.9389



47.9368, 51.0384, 60.4319



50.1789, 51.0384, 57.2380

Rectangle

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



49.0887, 51.0384, 50.9802



47.6224, 51.0384, 51.3817



47.9368, 51.0384, 60.4319



49.4095, 51.0384, 59.9845

Sweetspot

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



49.0901, 51.0406, 50.9813



93.3784, 97.9534, 104.3456



48.4749, 48.4584, 54.9433



20.0044, 20.9876, 22.3820



0.0000, 0.0000, 0.0000



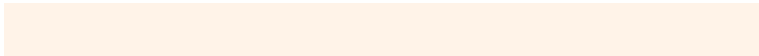
20.3446, 21.4041, 23.3091

Same Dimension

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



49.0901, 51.0406, 50.9813



87.7930, 91.0498, 89.3284



50.7335, 54.3274, 51.5291



10.4522, 10.8358, 10.6025



17.1440, 12.5738, 1.5234



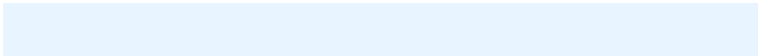
0.8097, 0.6811, 0.0888

Inverse Universe

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



47.2174, 50.2038, 59.4269



83.7814, 89.2570, 107.4203



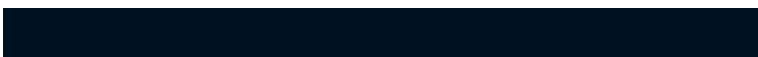
45.6463, 47.0615, 58.9032



9.9629, 10.6171, 12.8090



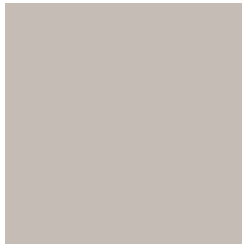
9.7016, 9.1596, 34.8133



0.4877, 0.5327, 1.5270

Previews

White Background



This preview shows how the XYZ color 49.0887, 51.0384, 50.9802 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 49.0887, 51.0384, 50.9802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

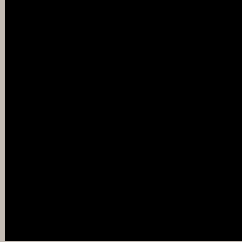
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0887, 51.0384, 50.9802

Background



This preview shows how black text looks on a background with the XYZ color 49.0887, 51.0384, 50.9802.

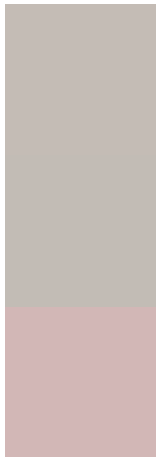


This preview shows how white text looks on a background with the XYZ color 49.0887, 51.0384,

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

49.0887, 51.0384, 50.9802

Protanopia

48.5718, 50.7720, 50.9560

Deuteranopia

51.9553, 50.9460, 51.3512



Tritanopia

51.3275, 51.0102, 61.7843

Trichromacy



Original Color

49.0887, 51.0384, 50.9802

Protanomaly

48.8294, 50.9047, 50.9681

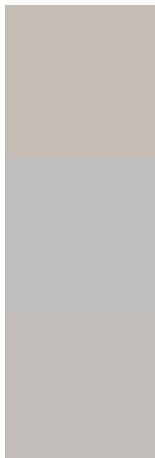
Deuteranomaly

50.9693, 51.0545, 51.4241

Tritanomaly

50.4732, 50.9738, 57.6308

Monochromacy



Original Color

49.0887, 51.0384, 50.9802

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.9055, 51.1895, 54.3167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0887, 51.0384, 50.9802 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, 188, 181)` looks like.

```
.text, #text, p{  
    color:rgb(196, 188, 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, 188, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 188, 181) }
```

Border

The CSS property to change the border of an element to XYZ 49.0887, 51.0384, 50.9802 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, 188, 181) }
```


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

```
.border{ border-color:rgb(196, 188, 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, 188, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 188, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 188, 181);  
box-shadow:4px 4px 4px 4px rgb(196, 188,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0887, 51.0384, 50.9802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 188, 181) }
```

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

```
.background{ background-color: rgb(196,  
188, 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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