

Converting Colors

XYZ(48.1693, 50.0729, 51.7363)

Have a look what the booklet for
XYZ(48.1693, 50.0729, 51.7363)
contains.

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Color

**XYZ(48.3099, 50.2970,
51.9618)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BBB7
RGB	193, 187, 183
RGB Percent	76%, 73%, 72%
CMY	0.2431, 0.2666, 0.2823
CMYK	0.00, 0.03, 0.05, 0.24
HSL	24°, 7%, 74%
HSV	24°, 5%, 76%
XYZ	48.3099, 50.2970, 51.9618
YIQ	188.3380, 4.8600, 0.0280

Conversions

Conversions Part 2

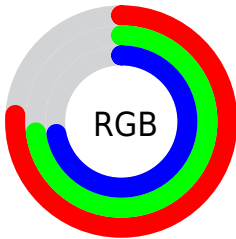
Format	Color
R_{YB}	193, 190, 183
Decimal	12696503
CIE Lab	76.25, 1.39, 2.76
CIE LCh	76, 3.093, 63.234
Yxy	50.2970, 0.3208, 0.3340
Android (android.graphics.Color)	4290886583 (0xFFC1BBB7)
YUV	188.3380, -2.6316, 4.0886
Hunter-Lab	70.9204, -2.5191, 6.2038

Details

The XYZ color **48.3099, 50.2970, 51.9618** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.3516, 50.3120, 57.6682**, and the grayscale version is **48.0059, 50.5059, 55.0010**.

A 20% lighter version of the original color is **86.6975, 90.4729, 94.5549**, and **23.2018, 24.1509, 24.5578** is the 20% darker color. If you saturate the color by 10%, you get **44.0805, 44.8352, 41.3114**, and if you desaturate by 10%, it is **53.0155, 56.2691, 64.1312**.

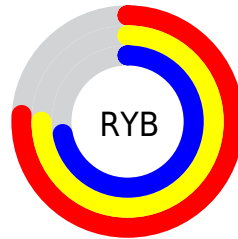
Distribution



Red (76%)

Green (73%)

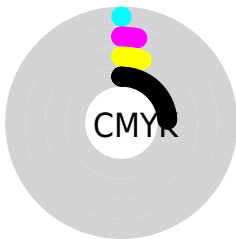
Blue (72%)



Red (76%)

Yellow (75%)

Blue (72%)

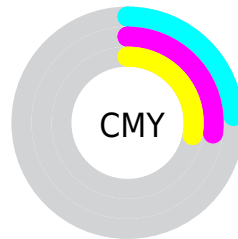


Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (24%)



Cyan (24%)

Magenta (27%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3099, 50.2970, 51.9618 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 48.3099, 50.2970, 51.9618 by changing the saturation by 10% instead.

■ 48.3099, 50.2970,
51.9618

■ 48.3099, 50.2970,
51.9618

370.5814,
387.8263, 411.2419

■ 34.2846, 35.6494,
36.5926

■ 86.8725, 90.6148,
94.5009

■ 23.2763, 24.1636,
24.5989

112.1406,
117.0538, 122.5079

■ 14.9195, 15.4550,
15.5622

141.8870,
148.1920, 155.5646

■ 8.8488, 9.1393,
9.0639

176.4771,
184.4140, 194.0894

■ 4.6990, 4.8322,
4.6855

216.2763,
226.1040, 238.5011

■ 2.1047, 2.1491,
2.0085

261.6498,

■ 0.6918, 0.6920,

273.6464, 289.2180

0.5605

312.9630,
327.4257, 346.6587

■ 0.0000, 0.0000,
0.0000

■ 48.3099, 50.2970,
51.9618

■ 48.3099, 50.2970,
51.9618

■ 44.0805, 44.8352,
41.3114

■ 53.0155, 56.2691,
64.1312

■ 40.3074, 39.8635,
32.1166

■ 58.2081, 62.7583,
77.8732

■ 36.9752, 35.3697,
24.3141

■ 63.9034, 69.7792,
93.2427

■ 34.0661, 31.3386,
17.8349

■ 69.2661, 77.0046,
105.8204

■ 31.5609, 27.7543,
12.6039

■ 72.6563, 83.7850,
106.9505

■ 29.4390, 24.5996,
8.5384

■ 75.8026, 90.0776,
107.9992

■ 27.6771, 21.8563,
5.5455

■ 26.2494, 19.5041,
3.5178

■ 25.1249, 17.5206,
2.3246

Harmonies

Analogous

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



48.7449, 50.2970, 53.0326



48.3099, 50.2970, 51.9618



47.7429, 50.2970, 51.6369

Triad

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



48.3099, 50.2970, 51.9618



46.7007, 50.2970, 54.9453



48.4197, 50.2970, 57.4807

Complementary

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



48.3099, 50.2970, 51.9618



47.3516, 50.3120, 57.6682

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.



47.8687, 50.2970, 58.0167



48.3099, 50.2970, 51.9618



46.8788, 50.2970, 56.5344

Square

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



48.3099, 50.2970, 51.9618



46.8167, 50.2970, 53.3388



47.3052, 50.2970, 57.6670



48.8087, 50.2970, 56.2162

Rectangle

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



48.3099, 50.2970, 51.9618



47.3671, 50.2970, 51.8815



47.3052, 50.2970, 57.6670



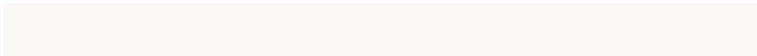
48.2472, 50.2970, 57.7532

Sweetspot

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



48.3113, 50.2992, 51.9629



89.0861, 93.3543, 99.6316



48.1118, 48.8793, 55.0437



19.1301, 20.0507, 21.4211



92.9021, 97.7402, 106.4391



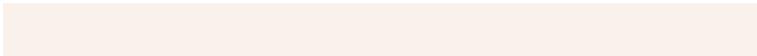
19.4759, 20.4902, 22.3138

Same Dimension

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



48.3113, 50.2992, 51.9629



85.7986, 89.1548, 91.2126



49.3899, 52.4564, 52.3224



10.6692, 11.0754, 11.2744



16.4787, 11.2432, 1.3016



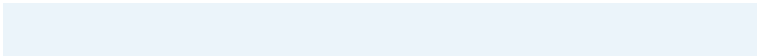
0.7794, 0.6206, 0.0787

Inverse Universe

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



47.3516, 50.3120, 57.6682



83.7893, 89.1816, 103.1579



46.2953, 48.1993, 57.3161



10.4000, 11.0790, 12.8752



10.6157, 10.9879, 35.1180



0.5246, 0.6067, 1.5393

Previews

White Background



This preview shows how the XYZ color 48.3099, 50.2970, 51.9618 looks on a white background.

Color Contrast Check

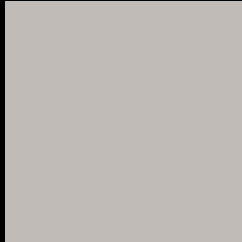
Large Text (above 18pt) WCAG AA × Fail

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 48.3099, 50.2970, 51.9618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

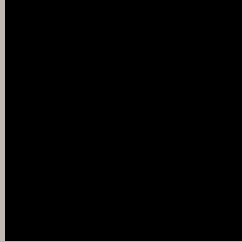
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

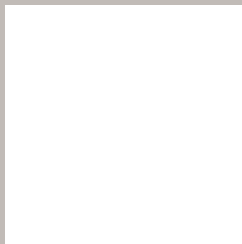
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3099, 50.2970, 51.9618

Background



This preview shows how black text looks on a background with the XYZ color 48.3099, 50.2970, 51.9618.



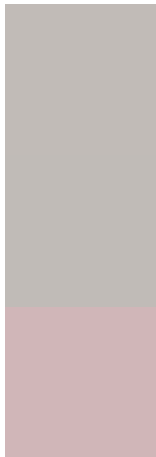
This preview shows how white text looks on a background with the XYZ color 48.3099, 50.2970,

51.9618.

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

48.3099, 50.2970, 51.9618

Protanopia

48.0558, 50.1660, 51.9499

Deuteranopia

51.3921, 50.3265, 52.3527



Tritanopia

50.1634, 50.4235, 61.1217

Trichromacy



Original Color

48.3099, 50.2970, 51.9618

Protanomaly

48.0558, 50.1660, 51.9499

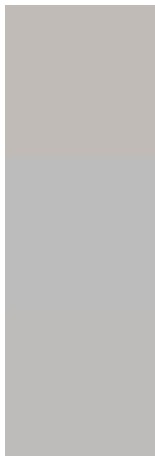
Deuteranomaly

50.4208, 50.4382, 52.4255

Tritanomaly

49.4327, 50.4374, 57.5821

Monochromacy



Original Color

48.3099, 50.2970, 51.9618

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.0814, 50.4588, 53.6597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3099, 50.2970, 51.9618 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(193, 187, 183)` looks like.

```
.text, #text, p{  
    color:rgb(193, 187, 183)  
}
```

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(193, 187, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 187, 183) }
```

Border

The CSS property to change the border of an element to XYZ 48.3099, 50.2970, 51.9618 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(193, 187, 183) }
```


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

```
.border{ border-color:rgb(193, 187, 183) }
```

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

Here you see how a box with a 4 pixel rgb(193, 187, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 187, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 187, 183);  
box-shadow:4px 4px 4px 4px rgb(193, 187,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3099, 50.2970, 51.9618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 187, 183) }
```

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

```
.background{ background-color: rgb(193,  
187, 183) }
```

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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