

Converting Colors

XYZ(48.3722, 51.4048, 48.6492)

Have a look what the booklet for
XYZ(48.3722, 51.4048, 48.6492)
contains.

XYZ(48.2422, 51.2990, 48.4333)	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(48.2422, 51.2990,
48.4333)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BEB0
RGB	193, 190, 176
RGB Percent	76%, 75%, 69%
CMY	0.2431, 0.2549, 0.3098
CMYK	0.00, 0.02, 0.09, 0.24
HSL	49°, 12%, 72%
HSV	49°, 9%, 76%
XYZ	48.2422, 51.2990, 48.4333
YIQ	189.3010, 6.2820, -3.7180

Conversions

Conversions Part 2

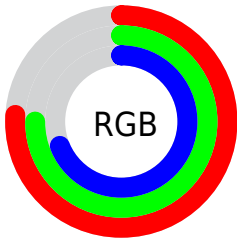
Format	Color
RYB	180, 193, 176
Decimal	12697264
CIELab	76.86, -1.42, 7.43
CIELCh	77, 7.565, 100.794
Yxy	51.2990, 0.3260, 0.3467
Android (android.graphics.Color)	4290887344 (0xFFC1BEB0)
YUV	189.3010, -6.5574, 3.2440
Hunter-Lab	71.6233, -5.1114, 10.0431

Details

The XYZ color **48.2422, 51.2990, 48.4333** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.6500, 45.3195, 56.8994**, and the grayscale version is **48.5771, 51.1069, 55.6554**.

A 20% lighter version of the original color is **86.5882, 91.8775, 89.5144**, and **23.2312, 24.8355, 22.6381** is the 20% darker color. If you saturate the color by 10%, you get **45.7392, 49.1345, 38.8379**, and if you desaturate by 10%, it is **51.0368, 53.6110, 59.4666**.

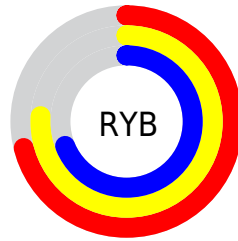
Distribution



Red (76%)

Green (75%)

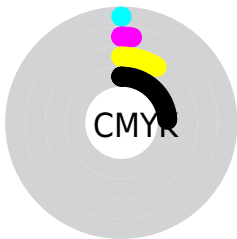
Blue (69%)



Red (71%)

Yellow (76%)

Blue (69%)

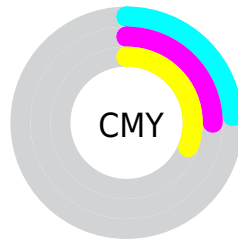


Cyan (0%)

Magenta (2%)

Yellow (9%)

Black (24%)



Cyan (24%)

Magenta (25%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2422, 51.2990, 48.4333 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 48.2422, 51.2990, 48.4333 by changing the saturation by 10% instead.

■ 48.2422, 51.2990,
48.4333

■ 48.2422, 51.2990,
48.4333

370.3180,
391.7243, 397.0652

■ 34.2308, 36.4466,
33.8077

■ 86.7724, 92.0966,
89.2214

■ 23.2347, 24.7793,
22.4698

112.0219,
118.8106, 116.2211

■ 14.8885, 15.9127,
14.0009

141.7482,
150.2473, 148.1825

■ 8.8270, 9.4624,
7.9825

176.3165,
186.7910, 185.5243

■ 4.6847, 5.0440,
3.9961

216.0923,
228.8262, 228.6649

■ 2.0963, 2.2731,
1.6232

261.4409,

■ 0.6872, 0.7594,

276.7372, 278.0229

0.3073

312.7277,
330.9084, 334.0168

■ 0.0000, 0.0000,
0.0000

■ 48.2422, 51.2990,
48.4333

■ 48.2422, 51.2990,
48.4333

■ 45.7392, 49.1345,
38.8379

■ 51.0368, 53.6110,
59.4666

■ 43.5120, 47.1059,
30.6171

■ 54.1295, 56.0683,
71.9911

■ 41.5498, 45.2105,
23.7077

■ 57.5321, 58.6774,
86.0613

■ 39.8391, 43.4426,
18.0401

■ 61.2543, 61.4424,
101.7281

■ 38.3656, 41.7964,
13.5385

■ 62.3578, 63.1882,
103.5177

■ 37.1130, 40.2651,
10.1187

■ 63.1908, 64.8541,
103.7953

■ 36.0631, 38.8412,
7.6851

■ 64.0416, 66.5558,
104.0789

■ 35.1945, 37.5161,
6.1254

■ 64.9104, 68.2934,
104.3685

■ 34.4713, 36.2750,
5.2510

■ 65.7973, 70.0671,
104.6642

Harmonies

Analogous

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



49.6733, 51.2990, 48.7072



48.2422, 51.2990, 48.4333



46.9740, 51.2990, 50.0733

Triad

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



48.2422, 51.2990, 48.4333



46.6949, 51.2990, 61.1905



51.4159, 51.2990, 58.5014

Complementary

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



48.2422, 51.2990, 48.4333



43.6500, 45.3195, 56.8994

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.



50.5869, 51.2990, 62.0674



48.2422, 51.2990, 48.4333



47.8543, 51.2990, 63.6720

Square

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



48.2422, 51.2990, 48.4333



46.0924, 51.2990, 57.3520



49.2778, 51.2990, 64.0006



51.5248, 51.2990, 54.3861

Rectangle

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



48.2422, 51.2990, 48.4333



46.3845, 51.2990, 52.0806



49.2778, 51.2990, 64.0006



51.2115, 51.2990, 59.8093

Sweetspot

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



48.2436, 51.3012, 48.4344



89.2218, 94.2319, 97.8082



45.6667, 45.6482, 49.1144



19.0537, 20.1438, 20.6379



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.



48.2436, 51.3012, 48.4344



85.2978, 90.9401, 82.4539



47.5516, 51.9177, 48.5899



10.7576, 11.4466, 10.7043



22.9250, 24.1357, 3.4504



1.0311, 1.1239, 0.1626

Inverse Universe

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



43.6500, 45.3195, 56.8994



75.0288, 77.5683, 101.3780



44.2976, 44.7718, 56.7595



9.6686, 10.0286, 12.7110



6.8248, 3.4062, 33.8544



0.3400, 0.2375, 1.4778

Previews

White Background



This preview shows how the XYZ color 48.2422, 51.2990, 48.4333 looks on a white background.

Color Contrast Check

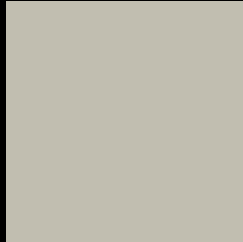
Large Text (above 18pt) WCAG AA × Fail

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 48.2422, 51.2990, 48.4333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

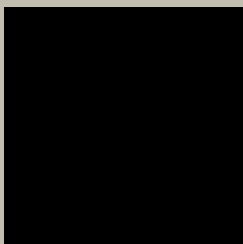
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

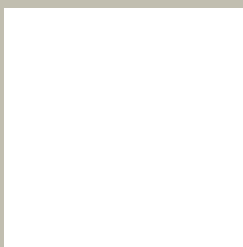
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2422, 51.2990, 48.4333

Background



This preview shows how black text looks on a background with the XYZ color 48.2422, 51.2990, 48.4333.



This preview shows how white text looks on a background with the XYZ color 48.2422, 51.2990,

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

48.2422, 51.2990, 48.4333

Protanopia

48.7004, 51.2261, 47.8783

Deuteranopia

52.3099, 51.1874, 48.7181



Tritanopia

51.1275, 51.2052, 62.4472

Trichromacy



Original Color

48.2422, 51.2990, 48.4333

Protanomaly

48.4411, 51.0924, 47.8661

Deuteranomaly

50.9483, 51.4139, 48.8336

Tritanomaly

50.0497, 51.0822, 57.0911

Monochromacy



Original Color

48.2422, 51.2990, 48.4333

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.0845, 50.8030, 52.6190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2422, 51.2990, 48.4333 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, 190, 176)` looks like.

```
.text, #text, p{  
    color:rgb(193, 190, 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(193, 190, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 190, 176) }
```

Border

The CSS property to change the border of an element to XYZ 48.2422, 51.2990, 48.4333 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, 190, 176) }
```


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

```
.border{ border-color:rgb(193, 190, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 190, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 190, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 190, 176); box-shadow:4px 4px 4px 4px rgb(193, 190, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2422, 51.2990, 48.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 190, 176) }
```

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

```
.background{ background-color: rgb(193,  
190, 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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