

Converting Colors

XYZ(48.1748, 51.3325, 45.4023)

Have a look what the booklet for
XYZ(48.1748, 51.3325, 45.4023)
contains.

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Color

**XYZ(48.1748, 51.3313,
45.3991)**

Conversions

Conversions Part 1

Format	Color
Hex	C3BEAA
RGB	195, 190, 170
RGB Percent	76%, 75%, 67%
CMY	0.2353, 0.2549, 0.3333
CMYK	0.00, 0.03, 0.13, 0.24
HSL	48°, 17%, 72%
HSV	48°, 13%, 76%
XYZ	48.1748, 51.3313, 45.3991
YIQ	189.2150, 9.4000, -5.1600

Conversions

Conversions Part 2

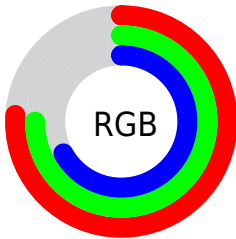
Format	Color
RYB	176, 195, 170
Decimal	12828330
CIELab	76.88, -1.69, 10.72
CIELCh	77, 10.854, 98.940
Yxy	51.3313, 0.3325, 0.3542
Android (android.graphics.Color)	4291018410 (0xFFC3BEAA)
YUV	189.2150, -9.4730, 5.0734
Hunter-Lab	71.6459, -5.3566, 12.5824

Details

The XYZ color **48.1748, 51.3313, 45.3991** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.7577, 43.1452, 57.7571**, and the grayscale version is **48.5427, 51.0707, 55.6160**.

A 20% lighter version of the original color is **86.6913, 92.0432, 84.4312**, and **23.2002, 24.8620, 20.7156** is the 20% darker color. If you saturate the color by 10%, you get **45.6330, 48.9838, 36.1160**, and if you desaturate by 10%, it is **51.0156, 53.8379, 56.1330**.

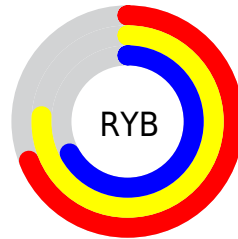
Distribution



Red (76%)

Green (75%)

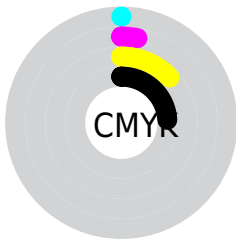
Blue (67%)



Red (69%)

Yellow (76%)

Blue (67%)

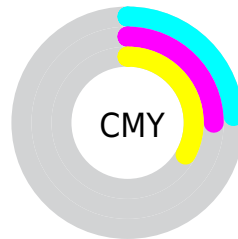


Cyan (0%)

Magenta (3%)

Yellow (13%)

Black (24%)



Cyan (24%)

Magenta (25%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1748, 51.3313, 45.3991 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 48.1748, 51.3313, 45.3991 by changing the saturation by 10% instead.

■ 48.1748, 51.3313,
45.3991

■ 48.1748, 51.3313,
45.3991

370.0556,
391.8496, 384.5947

■ 34.1772, 36.4723,
31.4267

■ 86.6727, 92.1443,
84.6438

■ 23.1933, 24.7992,
20.6628

111.9037,
118.8671, 110.7531

■ 14.8578, 15.9275,
12.6889

141.6099,
150.3134, 141.7451

■ 8.8053, 9.4729,
7.0865

176.1566,
186.8674, 178.0384

■ 4.6705, 5.0509,
3.4370

215.9091,
228.9137, 220.0514

■ 2.0880, 2.2772,
1.3219

261.2329,

■ 0.6827, 0.7616,

276.8365, 268.2028

0.0796

312.4933,
331.0204, 322.9110

■ 0.0000, 0.0000,
0.0000

■ 48.1748, 51.3313,
45.3991

■ 48.1748, 51.3313,
45.3991

■ 45.6330, 48.9838,
36.1160

■ 51.0156, 53.8379,
56.1330

■ 43.3739, 46.7835,
28.2173

■ 54.1627, 56.5018,
68.3739

■ 41.3858, 44.7271,
21.6360

■ 57.6283, 59.3297,
82.1789

■ 39.6546, 42.8087,
16.2984

■ 61.4226, 62.3260,
97.6012

■ 38.1646, 41.0219,
12.1235

■ 63.4764, 64.6633,
103.7434

■ 36.8985, 39.3592,
9.0206

■ 64.4471, 66.6048,
104.0670

■ 35.8363, 37.8126,
6.8857

■ 65.4415, 68.5935,
104.3985

■ 34.9542, 36.3720,
5.5937

■ 66.4596, 70.6296,
104.7378

■ 34.3998, 35.3902,
5.0179

■ 67.5015, 72.7136,
105.0852

Harmonies

Analogous

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



50.2288, 51.3313, 45.9420



48.1748, 51.3313, 45.3991



46.3370, 51.3313, 47.5091

Triad

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



48.1748, 51.3313, 45.3991



45.7669, 51.3313, 63.3426



52.5866, 51.3313, 60.0753

Complementary

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



48.1748, 51.3313, 45.3991



41.7577, 43.1452, 57.7571

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.



51.3257, 51.3313, 65.2050



48.1748, 51.3313, 45.3991



47.3767, 51.3313, 67.1819

Square

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



48.1748, 51.3313, 45.3991



44.9728, 51.3313, 57.6758



49.4081, 51.3313, 67.8865



52.8149, 51.3313, 54.1435

Rectangle

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



48.1748, 51.3313, 45.3991



45.4678, 51.3313, 50.2301



49.4081, 51.3313, 67.8865



52.2678, 51.3313, 61.9621

Sweetspot

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



48.1762, 51.3336, 45.4002



90.7080, 95.8516, 98.0022



44.6188, 43.4474, 46.5927



19.7757, 20.9137, 21.1238



0.0000, 0.0000, 0.0000



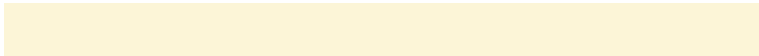
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1762, 51.3336, 45.4002



85.1372, 90.8984, 77.0670



47.3874, 52.5609, 45.6787



10.7369, 11.4053, 10.6974



22.4182, 23.1221, 3.2815



1.0132, 1.0881, 0.1566

Inverse Universe

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



41.7577, 43.1452, 57.7571



71.7050, 73.7629, 102.9282



42.4713, 42.0963, 57.5170



9.6877, 10.0667, 12.7173



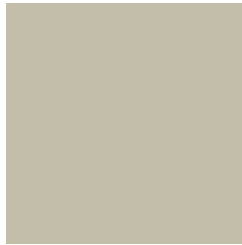
6.9215, 3.5995, 33.8866



0.3485, 0.2545, 1.4806

Previews

White Background



This preview shows how the XYZ color 48.1748, 51.3313, 45.3991 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 48.1748, 51.3313, 45.3991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

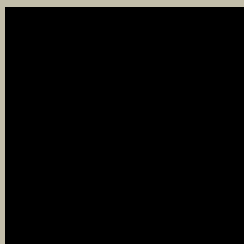
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

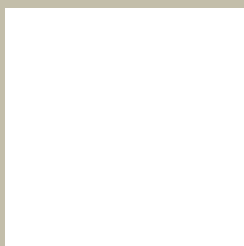
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1748, 51.3313, 45.3991

Background



This preview shows how black text looks on a background with the XYZ color 48.1748, 51.3313, 45.3991.



This preview shows how white text looks on a background with the XYZ color 48.1748, 51.3313,

45.3991.

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

48.1748, 51.3313, 45.3991

Protanopia

48.7420, 51.3032, 45.3637

Deuteranopia

52.3085, 51.2543, 45.6642



Tritanopia

51.5374, 51.4301, 61.8543

Trichromacy



Original Color

48.1748, 51.3313, 45.3991

Protanomaly

48.4793, 51.1678, 45.3515

Deuteranomaly

50.9220, 51.4680, 45.7785

Tritanomaly

50.2443, 51.2205, 55.3825

Monochromacy



Original Color

48.1748, 51.3313, 45.3991

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.1270, 50.8490, 51.5342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1748, 51.3313, 45.3991 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(195, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(195, 190, 170)  
}
```

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(195, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 190, 170) }
```

Border

The CSS property to change the border of an element to XYZ 48.1748, 51.3313, 45.3991 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(195, 190, 170) }
```


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

```
.border{ border-color:rgb(195, 190, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 190, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(195, 190,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1748, 51.3313, 45.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 190, 170) }
```

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

```
.background{ background-color: rgb(195,  
190, 170) }
```

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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