

Converting Colors

XYZ(48.3346, 44.7396, 33.2958)

Have a look what the booklet for
XYZ(48.3346, 44.7396, 33.2958)
contains.

XYZ(48.5222, 44.9284, 33.3088)	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(48.5222, 44.9284,
33.3088)**

Conversions

Conversions Part 1

Format	Color
Hex	DCA792
RGB	220, 167, 146
RGB Percent	86%, 65%, 57%
CMY	0.1373, 0.3451, 0.4274
CMYK	0.00, 0.24, 0.34, 0.14
HSL	17°, 51%, 72%
HSV	17°, 34%, 86%
XYZ	48.5222, 44.9284, 33.3088
YIQ	180.4530, 38.3290, 4.7050

Conversions

Conversions Part 2

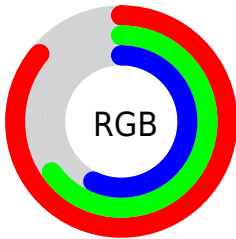
Format	Color
R _Y B	220, 175, 146
Decimal	14460818
CIE Lab	72.84, 16.66, 18.42
CIE LCh	73, 24.836, 47.873
Yxy	44.9284, 0.3828, 0.3544
Android (android.graphics.Color)	4292650898 (0xFFDCA792)
YUV	180.4530, -16.9853, 34.6827
Hunter-Lab	67.0287, 11.9164, 17.4569

Details

The XYZ color **48.5222, 44.9284, 33.3088** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.1950, 52.1233, 75.3889**, and the grayscale version is **43.7010, 45.9769, 50.0688**.

A 20% lighter version of the original color is **77.7866, 77.6727, 65.5361**, and **23.5061, 20.9802, 13.6371** is the 20% darker color. If you saturate the color by 10%, you get **44.2603, 38.8848, 24.2420**, and if you desaturate by 10%, it is **53.4674, 51.8113, 44.2290**.

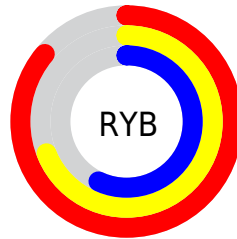
Distribution



Red (86%)

Green (65%)

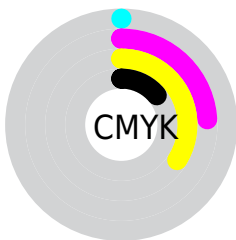
Blue (57%)



Red (86%)

Yellow (69%)

Blue (57%)

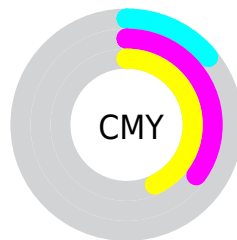


Cyan (0%)

Magenta (24%)

Yellow (34%)

Black (14%)



Cyan (14%)


Magenta (35%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5222, 44.9284, 33.3088 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 48.5222, 44.9284, 33.3088 by changing the saturation by 10% instead.


 48.5222, 44.9284,
33.3088


 48.5222, 44.9284,
33.3088


371.4065,
366.4835, 331.7135

 34.4536, 31.4010,
22.0901


 87.1864, 82.6130,
65.9789

 23.4068, 20.9044,
13.7241


 112.5127,
107.5389, 88.2673

 15.0165, 13.0542,
7.7925


142.3223,
137.0332, 115.0828

 8.9174, 7.4658,
3.8766

176.9804,
171.4803, 146.8437

 4.7440, 3.7551,
1.5579

216.8526,
211.2644, 183.9687

 2.1311, 1.5375,
0.2605

262.3041,

 0.7060, 0.3149,

256.7701, 226.8763

0.0000

313.7003,
308.3816, 275.9851

0.0000, 0.0000,
0.0000

48.5222, 44.9284,
33.3088

48.5222, 44.9284,
33.3088

44.2603, 38.8848,
24.2420

53.4674, 51.8113,
44.2290

40.6467, 33.6414,
16.9219

59.1219, 59.5581,
57.0958

37.6484, 29.1652,
11.2349

65.5144, 68.2000,
71.9992

35.2277, 25.4186,
7.0528

72.6711, 77.7650,
89.0229

33.3422, 22.3601,
4.2278

80.4548, 88.2149,
107.3945

■ 31.9426, 19.9435,
2.5814

■ 83.3252, 93.9556,
108.3513

■ 31.2622, 18.7096,
1.9636

Harmonies

Analogous

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



51.1087, 44.9284, 41.9740



48.5222, 44.9284, 33.3088



44.4724, 44.9284, 29.1484

Triad

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



48.5222, 44.9284, 33.3088



35.0842, 44.9284, 44.0889



45.3041, 44.9284, 75.2403

Complementary

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



48.5222, 44.9284, 33.3088



45.1950, 52.1233, 75.3889

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.



40.9813, 44.9284, 76.0658



48.5222, 44.9284, 33.3088



35.2736, 44.9284, 56.5916

Square

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



48.5222, 44.9284, 33.3088



36.8327, 44.9284, 34.6313



37.3689, 44.9284, 68.7742



49.1663, 44.9284, 66.6793

Rectangle

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



48.5222, 44.9284, 33.3088



41.5751, 44.9284, 28.9318



37.3689, 44.9284, 68.7742



43.8513, 44.9284, 76.4783

Sweetspot

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



48.5234, 44.9305, 33.3097



85.6612, 87.3619, 86.8430



50.1070, 39.8989, 59.1137



18.0710, 18.3411, 17.9754



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.



48.5234, 44.9305, 33.3097



63.7080, 56.9963, 37.7806



56.2886, 60.4610, 35.8981



13.3555, 13.6504, 13.6565



18.4297, 11.1449, 1.1798



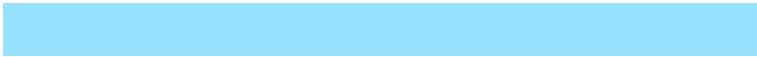
1.2665, 0.8671, 0.1006

Inverse Universe

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



45.1950, 52.1233, 75.3889



58.3962, 68.4109, 104.7346



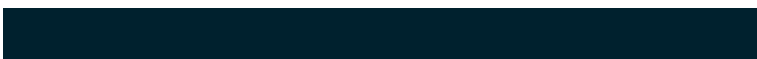
37.6990, 37.1312, 72.8902



13.1163, 14.1723, 16.6964



14.8120, 17.4933, 42.3343



1.0315, 1.2771, 2.7666

Previews

White Background



This preview shows how the XYZ color 48.5222, 44.9284, 33.3088 looks on a white background.

Color Contrast Check

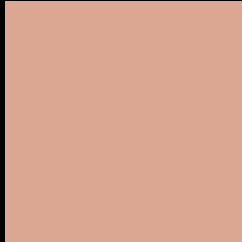
Large Text (above 18pt) WCAG AA × Fail

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 48.5222, 44.9284, 33.3088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

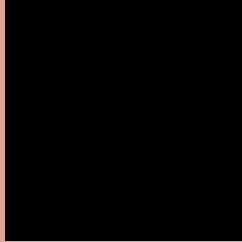
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5222, 44.9284, 33.3088

Background



This preview shows how black text looks on a background with the XYZ color 48.5222, 44.9284, 33.3088.



This preview shows how white text looks on a background with the XYZ color 48.5222, 44.9284,

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

48.5222, 44.9284, 33.3088

Protanopia

42.7739, 45.3260, 36.2001

Deuteranopia

45.8758, 44.9593, 33.0482



Tritanopia

51.2665, 44.9775, 46.5369

Trichromacy



Original Color

48.5222, 44.9284, 33.3088

Protanomaly

44.6544, 45.1413, 35.2138

Deuteranomaly

46.6369, 44.7908, 32.9755

Tritanomaly

50.1005, 44.7609, 41.1211

Monochromacy



Original Color

48.5222, 44.9284, 33.3088

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.9035, 45.0892, 43.3822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5222, 44.9284, 33.3088 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(220, 167, 146)` looks like.

```
.text, #text, p{  
    color:rgb(220, 167, 146)  
}
```

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(220, 167, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 167, 146) }
```

Border

The CSS property to change the border of an element to XYZ 48.5222, 44.9284, 33.3088 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(220, 167, 146) }
```


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

```
.border{ border-color:rgb(220, 167, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 167, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 167, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 167, 146);  
box-shadow:4px 4px 4px 4px rgb(220, 167,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5222, 44.9284, 33.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 167, 146) }
```

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

```
.background{ background-color: rgb(220,  
167, 146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor