

Converting Colors

XYZ(47.7958, 51.0127, 32.5269)

Have a look what the booklet for
XYZ(47.7958, 51.0127, 32.5269)
contains.

XYZ(47.9072, 51.1556, 32.5484)	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(47.9072, 51.1556,
32.5484)**

Conversions

Conversions Part 1

Format	Color
Hex	CCBD8D
RGB	204, 189, 141
RGB Percent	80%, 74%, 55%
CMY	0.2000, 0.2588, 0.4471
CMYK	0.00, 0.07, 0.31, 0.20
HSL	46°, 38%, 68%
HSV	46°, 31%, 80%
XYZ	47.9072, 51.1556, 32.5484
YIQ	188.0130, 24.3480, -11.7480

Conversions

Conversions Part 2

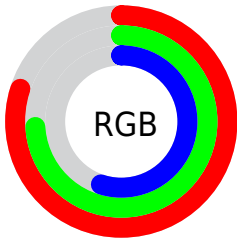
Format	Color
RYB	161, 204, 141
Decimal	13417869
CIELab	76.77, -1.97, 26.23
CIELCh	77, 26.300, 94.293
Yxy	51.1556, 0.3640, 0.3887
Android (android.graphics.Color)	4291607949 (0xFFCCBD8D)
YUV	188.0130, -23.1774, 14.0206
Hunter-Lab	71.5231, -5.6037, 23.0848

Details

The XYZ color **47.9072, 51.1556, 32.5484** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.7720, 33.7986, 61.8708**, and the grayscale version is **47.9263, 50.4222, 54.9097**.

A 20% lighter version of the original color is **83.7427, 90.5049, 64.6852**, and **23.0440, 24.7361, 13.2328** is the 20% darker color. If you saturate the color by 10%, you get **45.5003, 48.5512, 24.9346**, and if you desaturate by 10%, it is **50.6313, 53.9465, 41.6485**.

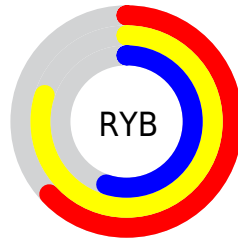
Distribution



Red (80%)

Green (74%)

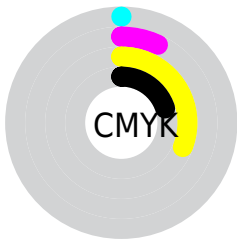
Blue (55%)



Red (63%)

Yellow (80%)

Blue (55%)

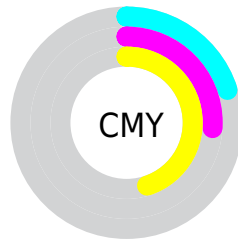


Cyan (0%)

Magenta (7%)

Yellow (31%)

Black (20%)



Cyan (20%)

Magenta (26%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9072, 51.1556, 32.5484 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 47.9072, 51.1556, 32.5484 by changing the saturation by 10% instead.

■ 47.9072, 51.1556,
32.5484

■ 47.9072, 51.1556,
32.5484

369.0129,
391.1680, 328.1792

■ 33.9643, 36.3325,
21.5124

■ 86.2767, 91.8847,
64.7777

■ 23.0290, 24.6911,
13.3042

■ 111.4342,
118.5595, 86.8081

■ 14.7357, 15.8470,
7.5052

■ 141.0605,
149.9536, 113.3404

■ 8.7192, 9.4160,
3.6968

175.5210,
186.4515, 144.7931

■ 4.6141, 5.0135,
1.4605

215.1812,
228.4374, 181.5848

■ 2.0551, 2.2552,
0.1883

260.4063,

■ 0.6646, 0.7498,

276.2959, 224.1341

0.0000

311.5618,
330.4113, 272.8594

■ 0.0000, 0.0000,
0.0000

■ 47.9072, 51.1556,
32.5484

■ 47.9072, 51.1556,
32.5484

■ 45.5003, 48.5512,
24.9346

■ 50.6313, 53.9465,
41.6485

■ 43.3910, 46.1194,
18.7229

■ 53.6833, 56.9232,
52.3066

■ 41.5634, 43.8552,
13.8253

■ 57.0780, 60.0940,
64.5936

■ 39.9983, 41.7503,
10.1430

■ 60.8281, 63.4645,
78.5750

■ 38.6740, 39.7955,
7.5626

■ 64.9457, 67.0401,
94.3128

■ 37.5645, 37.9797,
5.9494

■ 68.0596, 70.2728,
104.5846

■ 36.6971, 36.4277,
5.0971

■ 69.3385, 72.8304,
105.0109

■ 70.6545, 75.4625,
105.4496

■ 72.0081, 78.1696,
105.9008

Harmonies

Analogous

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



52.9030, 51.1556, 34.4304



47.9072, 51.1556, 32.5484



43.4144, 51.1556, 35.9446

Triad

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



47.9072, 51.1556, 32.5484



41.1189, 51.1556, 72.6585



57.7883, 51.1556, 68.4877

Complementary

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



47.9072, 51.1556, 32.5484



33.7720, 33.7986, 61.8708

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.



54.2299, 51.1556, 81.6219



47.9072, 51.1556, 32.5484



44.5781, 51.1556, 84.3044

Square

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



47.9072, 51.1556, 32.5484



39.6689, 51.1556, 57.7820



49.3436, 51.1556, 87.8357



58.8296, 51.1556, 53.6681

Rectangle

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



47.9072, 51.1556, 32.5484



41.2404, 51.1556, 41.1538



49.3436, 51.1556, 87.8357



56.8354, 51.1556, 73.3233

Sweetspot

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



47.9085, 51.1579, 32.5495



89.8546, 95.1730, 90.0156



40.4917, 34.3136, 36.2762



19.0624, 20.2094, 18.6595



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.



47.9085, 51.1579, 32.5495



76.6516, 81.8397, 45.3133



47.2017, 55.8324, 33.4890



11.9188, 12.6265, 11.8884



23.1724, 23.0777, 3.2331



1.2515, 1.3027, 0.1855

Inverse Universe

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



33.7720, 33.7986, 61.8708



49.6333, 48.6723, 101.3865



34.2805, 30.5531, 61.2176



10.8150, 11.2703, 14.1758



7.6005, 4.2250, 36.3712



0.4527, 0.3392, 1.8966

Previews

White Background



This preview shows how the XYZ color 47.9072, 51.1556, 32.5484 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 47.9072, 51.1556, 32.5484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

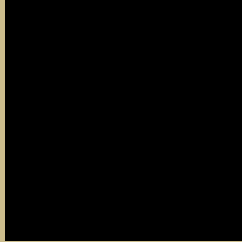
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9072, 51.1556, 32.5484

Background



This preview shows how black text looks on a background with the XYZ color 47.9072, 51.1556, 32.5484.



This preview shows how white text looks on a background with the XYZ color 47.9072, 51.1556,

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

47.9072, 51.1556, 32.5484

Protanopia

47.6339, 51.0148, 32.5356

Deuteranopia

52.0419, 51.0969, 32.7110



Tritanopia

53.2701, 51.1431, 59.2885

Trichromacy



Original Color

47.9072, 51.1556, 32.5484

Protanomaly

47.6339, 51.0148, 32.5356

Deuteranomaly

50.5503, 51.2498, 32.8191

Tritanomaly

51.1979, 51.2424, 48.2667

Monochromacy



Original Color

47.9072, 51.1556, 32.5484

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.5820, 50.3760, 45.7438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9072, 51.1556, 32.5484 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(204, 189, 141)` looks like.

```
.text, #text, p{  
    color:rgb(204, 189, 141)  
}
```

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(204, 189, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 189, 141) }
```

Border

The CSS property to change the border of an element to XYZ 47.9072, 51.1556, 32.5484 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(204, 189, 141) }
```


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

```
.border{ border-color:rgb(204, 189, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 189, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 189, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 189, 141);  
box-shadow:4px 4px 4px 4px rgb(204, 189,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9072, 51.1556, 32.5484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 189, 141) }
```

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

```
.background{ background-color: rgb(204,  
189, 141) }
```

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